

WKDT

Industrial & Composite Materials Catalogue

Reinforcement fabrics, vacuum processing materials, technical textiles and films.

Technical catalogue
English edition / October 2026

Product forms, material composition and specification tables.

For grade selection, samples and current specifications, contact inquiry@weikongda.com.

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Warp: lengthwise. Weft: crosswise. Paired values follow warp / weft order.

Yarn size: 1 tex = 1 g per 1,000 m. Fabric mass: g/m².

Tensile load: N per 50 mm strip width.

Options within a row describe documented configuration families. Confirm the selected grade and current specification before ordering.

Glass fibre fabrics



Fabric construction & properties

Weight (g/m ²)	Glass type	Yarn process	Weave	Yarn size (tex)	Thread count (ends/cm)	Gauge (mm)	Tensile load (N/50mm)	Width (mm)	Reference style no.
12	E-glass	Filament	Plain	Warp 1.7 Weft 1.7	Warp 37.4 Weft 37.4	0.014	—	1270	1017
20±3	E-glass	Filament	—	Warp 3.4 Weft 3.4	—	0.020 ±0.010	—	—	—
24 / 25	E-glass	Filament	Plain	Warp 5.6 Weft 5.6	Warp 22.05 Weft 22.05	0.03 / 0.035	—	1270 / Max 2050	106
24±2	E-glass	Filament	—	Warp 4.2 Weft 4.2	—	0.028 ±0.010	—	—	—
25±2	E-glass	Filament	—	Warp 5.6 Weft 5.6	—	0.035 ±0.010	—	—	—
30±2	E-glass	Filament	Plain	Warp 5.6 Weft 5.6	Warp 27.56 Weft 23.62	0.030 ±0.010	—	1270 / Max 2050	1067
31±2	E-glass	Filament	—	Warp 5.6 Weft 5.6	—	0.032 ±0.010	—	—	—
43	E-glass	Filament	Leno	Warp 67.4 Weft 67.5	Warp 3.15 Weft 3.15	0.1	—	1020	381
47.5 ±2.5	E-glass	Filament	Plain	Warp 11.2 Weft 11.2	Warp 23.62 / 24.02 Weft 18.9 / 19.29 / 18.5	0.065 / 0.050 ±0.010	—	1270 / Max 2050 / 1020	1080
48±4	E-glass	Filament	Plain	Warp 12.5 Weft 12.5	Warp 20±2 Weft 20±2	—	Warp ≥520 Weft ≥520	—	—
48	E-glass	Filament	Plain	—	—	0.064	—	—	—
54	E-glass	Filament	Leno	Warp 67.4 Weft 67.5	Warp 3.94 Weft 3.94	0.1	—	1020	310
54±2	E-glass	Filament	—	Warp 11.2 Weft 11.2	—	0.050 ±0.010	—	—	—
58	E-glass	Filament	Plain	—	—	0.05	—	—	—
70	E-glass	Filament	Plain	Warp 22.5 Weft 22.5	Warp 15.75 Weft 15.75	0.07	—	1270 / Max 2050	2112
76	E-glass	Filament	Plain	Warp 22.5 Weft 22.5	Warp 17.32 Weft 12.99	0.08	—	1020	108
78±3	E-glass	Filament	Plain	Warp 22.5 Weft 11.2	Warp 23.62 Weft 22.05	0.070 ±0.010	—	1270 / Max 2050	2113
80±8	E-glass	Filament	Plain / Twill	Warp 33 / 33.7 Weft 33 / 33.7	Warp 12±1 / 12±2 Weft 12±1 / 12±2	0.08	Warp ≥600 Weft ≥600	1020 / 1270 / 1524	—
80	S-glass	Filament	Twill	—	Warp 16 Weft 16	0.08	Warp ≥1000 Weft ≥1000	900	—
81±3	E-glass	Filament	Plain	Warp 16.9 Weft 16.9	Warp 23.62 Weft 24.41	0.080 ±0.010	—	1270	3313
82±4	E-glass	Filament	Plain	Warp 22.5 Weft 11.2	Warp 23.62 Weft 24.41	0.080 ±0.010	—	1270 / Max 2050	2313
85	E-glass	Filament	Plain	—	—	0.07	—	—	—
86	E-glass	Filament	Plain	Warp 22.4 Weft 11.2	Warp 23.62 Weft 25.2	0.095	—	—	113
92	C-glass	Filament	Plain	Warp 48 Weft 48	Warp 10 Weft 10	0.08	—	—	—

Weight (g/m ²)	Glass type	Yarn process	Weave	Yarn size (tex)	Thread count (ends/cm)	Gauge (mm)	Tensile load (N/50mm)	Width (mm)	Reference style no.
96	S-glass	Filament	Plain	Warp 22.5 Weft 22.5	Warp 20.08 Weft 20.08	0.1	—	1020 / 1270 / 1524	—
100	E-glass	Filament	Plain	Warp 33 / 33.7 Weft 33 / 33.7	Warp 16 / 15.75 Weft 15 / 14.96	0.09 / 0.1	—	1020 / 1270 / 1524	—
100	S-glass	Filament	Plain	—	Warp 20 Weft 20	0.10	Warp ≥1000 Weft ≥1000	900	—
105	E-glass	Filament	Plain	Warp 22.5 Weft 22.5	Warp 23.62 Weft 22.44	0.1	—	1020	110
106±3	E-glass	Filament	Plain	Warp 22.5 Weft 22.5	Warp 23.62 Weft 23.23 / 22.44	0.100 ±0.010	—	1270 / Max 2050	2116
106	E/C-glass	Filament	Plain	—	Warp 23 Weft 22	0.1	—	—	—
108	E-glass	Filament	4H satin	Warp 33.7 Weft 22.5	Warp 25.2 Weft 9.84	0.1	—	1020	210
109	E-glass	Filament	4H satin	Warp 67.5 Weft 33.7	Warp 22.84 Weft 13.78	0.1	—	1020	220
110±10	E-glass	Filament	Plain / Twill	Warp 33 Weft 33	Warp 16±1 Weft 15±1	—	Warp ≥800 Weft ≥800	—	—
110	E-glass	Filament	Plain	Warp 22.4 Weft 22.4	Warp 23.62 Weft 22.84	0.1	—	—	116
110	S-glass	Filament	4H satin	—	Warp 22 Weft 22	0.11	Warp ≥1200 Weft ≥1200	900	—
120	E-glass	Filament	Plain	—	—	0.12	—	—	—
122	E-glass	Filament	Plain	Warp 22.4 Weft 33.7	Warp 23.62 Weft 20.87	0.125	—	—	1165
125	E-glass	Filament	Plain	Warp 67.4 Weft 67.4	Warp 9.45 Weft 8.66	0.12	—	1020 / 1270 / 1524	1522
125	E-glass	Filament	Plain	Warp 67.5 Weft 67.5	Warp 9.45 Weft 4.72	0.12	—	1020 / 1270 / 1524	1500
128	E-glass	Filament	Plain	Warp 11.2 Weft 11.2	Warp 23.62 Weft 23.62	0.06	—	—	1086
130±10	E-glass	Filament	Plain	Warp 66 Weft 66	Warp 10±1 Weft 10±1	—	Warp ≥1200 Weft ≥1200	—	—
130	E-glass	Filament	Plain	Warp 11.2 Weft 46	Warp 39.37 Weft 18.9	0.133	—	—	1161
134	E-glass	Filament	Plain	Warp 66 Weft 66	Warp 10 Weft 10	0.12	—	—	—
135	E-glass	Filament	Leno	Warp 273.6 Weft ER270 (code)	Warp 2.44 Weft 2.44	0.26	—	1030	—
138	C-glass	Filament	Plain	Warp 48 Weft 68	Warp 14 Weft 10	0.13	—	—	—
140	E/S-glass	Filament	Twill / 4H satin / Plain	Warp 45 Weft 45	Warp 13.78 / 14 Weft 13.78 / 14	0.14	Warp S: ≥1800 Weft ≥1800	1020 / 1270 / 1524 / 900	—
147±3	E-glass	Filament	—	Warp 33.7 Weft 33.7	—	0.130 ±0.020	—	—	—
150	E-glass	Filament	Plain	Warp 66 Weft 66	Warp 12 Weft 10	0.13	—	—	—
151	E-glass	Filament	Plain	Warp 33.7 Weft 33.7	Warp 23.62 Weft 20.47	0.24	—	—	112

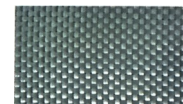
Weight (g/m ²)	Glass type	Yarn process	Weave	Yarn size (tex)	Thread count (ends/cm)	Gauge (mm)	Tensile load (N/50mm)	Width (mm)	Reference style no.
160±12	E-glass	Filament	Plain / Twill	Warp 66 Weft 66	Warp 12±1 Weft 12±1	—	Warp ≥1400 Weft ≥1300	—	—
160	E-glass	Filament	Plain / Twill	Warp 45 Weft 45	Warp 19.69 Weft 11.81	0.13	—	1020 / 1270 / 1524	—
160	S-glass	Filament	4H satin	—	Warp 18 Weft 12	0.16	Warp ≥4000 Weft ≥800	1000	—
165±3	E-glass	Filament	Plain	Warp 46 Weft 46	Warp 18.5 Weft 18.11	0.150 ±0.020	—	1270 / Max 2050	1506
175	C-glass	Filament	Plain	Warp 68 Weft 68	Warp 16 Weft 10	0.17	—	—	—
180	S-glass	Filament	5H satin	—	Warp 18 Weft 18	0.18	Warp ≥2400 Weft ≥2400	900	—
183	E-glass	Filament	Plain	Warp 67.5 Weft 67.5	Warp 13.39 Weft 13.39	0.18	—	1020	118
190	E-glass	Filament	Plain	Warp 135 / 136.8 Weft 135 / 136.8	Warp 7.09 Weft 7.09	0.19	—	1020 / 1270 / 1524	7533 / 7500
191	E-glass	Filament	Leno	Warp 404.8 Weft ER390 (code)	Warp 2.44 Weft 2.28	0.33	—	1320	—
198±14	E-glass	Filament	Plain / Twill	Warp 132 Weft 132	Warp 8±0.5 Weft 7±0.5	0.18	Warp ≥1300 Weft ≥1100	—	—
200±20	E-glass	Filament	Plain / Twill	Warp 66 / 67.5 Weft 66 / 67.5	Warp 16±1 Weft 13±1	0.18 / 0.2	Warp ≥1400 / ≥1800 Weft ≥1300 / ≥1400	1020 / 1270 / 1524	—
200	S-glass	Filament	Plain / Twill	Warp 67.4 Weft 67.4	Warp 15.75 / 16 Weft 12.21 / 12	0.2 / 0.21	Warp ≥3200 Weft ≥2700	1020 / 1270 / 1524 / 920	—
200	E/C-glass	Filament	Plain	—	Warp 17 Weft 13	0.18	—	—	—
203	E-glass	Filament	Plain	Warp 67.5 Weft 67.5	Warp 17.32 Weft 12.21	0.175	—	—	128
203	E-glass	Filament	Plain	—	—	0.16	—	—	—
205 / 210±3	E-glass	Filament	Plain	Warp 67.5 Weft 67.5	Warp 17.32 Weft 13.39 / 12.99	0.180 ±0.020	—	1270 / Max 2050	7628
207	E-glass	Filament	4H satin	Warp 67.5 Weft 33.7	Warp 25.2 Weft 10.24	0.18	—	1020	218
210	E-glass	Filament	Plain	Warp 67.4 Weft 67.4	Warp 17.32 Weft 12.6	0.18	—	—	1528
216	E-glass	Filament	Plain	Warp 607.2 Weft 337.5	Warp 3.15 Weft 3.15	0.35	—	1120	—
220 / 225	E-glass	Filament	Plain	Warp 75 Weft 75	Warp 17.32 Weft 12.6 / 12.21	0.2 / 0.175 / 0.22	—	1270 / Max 2050	7630
220	S-glass	Filament	5H satin	—	Warp 20 Weft 10	0.22	Warp ≥4600 Weft ≥800	900	—
240	S-glass	Filament	5H satin / Twill	—	Warp 18 Weft 14	0.22	Warp ≥4000 Weft ≥3200	900	—
246	E-glass	Filament	Plain	Warp 136.8 Weft 136.8	Warp 9.06 Weft 9.06	0.2	—	—	2000
255	E-glass	Filament	Plain	Warp 67.5 Weft 136.8	Warp 17.32 Weft 10.24	0.25	—	1270 / Max 2050	7638

Weight (g/m ²)	Glass type	Yarn process	Weave	Yarn size (tex)	Thread count (ends/cm)	Gauge (mm)	Tensile load (N/50mm)	Width (mm)	Reference style no.
260	E/C-glass	Filament	Plain	—	Warp 16 Weft 10	0.26	—	—	—
265	C-glass	Filament	Plain	Warp 134 Weft 134	Warp 12 Weft 7	0.25	—	—	—
273	E-glass	Filament	Plain	Warp 136.8 Weft 136.8	Warp 11.81 Weft 7.87	0.26	—	1020	126
280	S-glass	Filament	8H satin	—	Warp 20 Weft 18	0.25	Warp ≥4000 Weft ≥3400	1000	—
290	E-glass	Filament	Plain	Warp 67.5 Weft 136.8	Warp 17.32 Weft 9.84	0.265	—	—	7638
293 / 300	E-glass	Filament	8H satin	Warp 68 / 67.4 / 67.5 Weft 67.5 / 67.4 / 68	Warp 22.44 Weft 21.26	0.25 / 0.23	—	1020 / 970 / 1270 / 1524	181 / 1581 / 7781 / 7581
295	E-glass	Filament	Plain	Warp 135 Weft 135	Warp 12.6 Weft 8.66	0.265	—	—	141
300	E-glass	Texturized	Basket / Plain	Warp 285 Weft 285	Warp 8 Weft 6	0.5	—	1000 / 1200 / 1500	—
300±24	E-glass	Filament	Plain / Twill	Warp 200 / 198 Weft 200 / 198	Warp 8±0.5 Weft 7±0.5	0.28	Warp ≥2000 Weft ≥1600	—	—
305	E-glass	Filament	4H satin	Warp 136.8 Weft 33.7	Warp 19.69 Weft 10.24	0.24	—	1020	224
306	E-glass	Filament	Plain	Warp 136.8 Weft 136.8	Warp 13.39 Weft 8.66	0.32	—	1020	132
320	E-glass	Filament	Plain / Twill	Warp 198 Weft 198	Warp 8 Weft 8	0.3	—	—	—
325	E-glass	Texturized + SS wire	—	—	—	0.36	—	—	—
330	E-glass	Filament	Plain	Warp 135 Weft 135	Warp 12.6 Weft 11.81	0.26	—	—	2001
330	E-glass	Filament	Leno	—	—	0.31	—	—	—
340	E-glass	Filament	Plain / Twill	Warp 198 Weft 198	Warp 9 Weft 8	0.32	—	—	—
360	E-glass	Filament	Plain / Twill	Warp 198 Weft 198	Warp 10 Weft 8	0.34	—	—	—
400±32	E-glass	Filament	Plain / Twill	Warp 264 Weft 264	Warp 8±0.5 Weft 7±0.5	0.38	Warp ≥2400 Weft ≥2200	—	—
400±32	E-glass	Filament	Plain / Twill	Warp 330 Weft 330	Warp 6±0.5 Weft 6±0.5	—	Warp ≥2400 Weft ≥2200	—	—
420	E-glass	Filament	Leno	—	—	0.4	—	—	—
425	E-glass	Filament	Twill / Satin	Warp 48 Weft 48	Warp 18 Weft 12	0.41 / 0.4	—	—	—
425 / 430	E/C-glass	Filament	4H satin	Warp 136.8 Weft 136.8	Warp 18.11 / 18 Weft 12.99 / 13	0.31 / 0.42	—	—	3732
430	E-glass	Filament	Plain / Twill	Warp 264 Weft 264	Warp 8 Weft 8	0.4	—	—	—
480	E-glass	Filament + SS wire	Plain	—	—	0.45	—	—	—
550	E-glass	Filament + SS wire	Plain	—	—	0.52	—	—	—
600	E-glass	Texturized	Plain	Warp 430 Weft 430	Warp 8 Weft 2.24 (2.44) / cm	0.8	—	1000 / 1200 / 1500	—

Weight (g/m ²)	Glass type	Yarn process	Weave	Yarn size (tex)	Thread count (ends/cm)	Gauge (mm)	Tensile load (N/50mm)	Width (mm)	Reference style no.
600	S-glass	Filament	Twill	—	Warp 14 Weft 11	0.60	Warp ≥7000 Weft ≥6000	1050	—
600	E/C-glass	Filament	Double plain	—	Warp 14.5 Weft 14	0.6	—	—	—
620	E-glass	Filament	Satin	Warp 48 Weft 48	Warp 18 Weft 12	0.6	—	—	—
640	E-glass	Texturized	Plain	Warp 580 Weft 580	Warp 6 Weft 5	0.8	—	1000 / 1200 / 1500	—
640	E/C-glass	Filament	8H satin	—	Warp 16 Weft 14	0.6	—	—	—
640	E-glass	Filament + SS wire	8HS	—	—	0.56	—	—	—
660	E-glass	Filament	Plain	Warp 48 Weft 48	Warp 18 Weft 13	0.62	—	—	—
660	E-glass	Filament	Satin	—	—	0.5	—	—	—
720	E/C-glass	Filament	8H satin	—	Warp 16 Weft 14	0.6	—	—	—
725	E-glass	Texturized + SS wire	—	—	—	0.8	—	—	—
740	E-glass	Texturized	Plain	Warp 580 Weft 580	Warp 7 Weft 6	0.9	—	1000 / 1200 / 1500	—
780	E-glass	Texturized	Plain	Warp 860 Weft 860	Warp 4.4 Weft 4.5	0.9	—	1000 / 1200 / 1500	—
800	C-glass	Texturized	Plain	Warp 480 Weft 860	Warp 6 Weft 3	1	—	1000 / 1200 / 1500	—
800	E/C-glass	Filament	Double plain	—	Warp 14.5 Weft 14	0.8	—	—	—
815	E-glass	Texturized	Plain	Warp 815 Weft 815	Warp 6 Weft 3.5	1	—	1000 / 1200 / 1500	—
815	E-glass	Texturized	Twill	Warp 430 Weft 580	Warp 8 Weft 8	1	—	1000 / 1200 / 1500	—
850	E-glass	Filament	Plain / 8H satin	Warp 48 Weft 48	Warp 18 Weft 13	0.8 / 0.85	—	—	—
850	E-glass	Filament	Satin	Warp 48 Weft 48	Warp 18 Weft 12	0.87	—	—	—
860	E-glass	Filament	Satin	—	—	0.75	—	—	—
875	E-glass	Filament	8H satin	Warp 273.6 Weft 273.6	Warp 18.11 Weft 13.78	0.67	—	—	3784
950	E-glass	Texturized	4H satin	Warp 580 Weft 580	Warp 10 Weft 6.5	1.3	—	1000 / 1200 / 1500	—
1000	E-glass	Texturized	Plain	Warp 860 Weft 1290	Warp 6 Weft 3.5	1.3	—	1000 / 1200 / 1500	—
1000	E-glass	Texturized	Plain	Warp 1290 Weft 1290	Warp 5 Weft 3	1.3	—	1000 / 1200 / 1500	—
1000	C-glass	Texturized	Plain	Warp 1000 Weft 1000	Warp 6 Weft 3	1.5	—	1000 / 1200 / 1500	—
1100	E-glass	Texturized + SS wire	Plain	Warp 860 + SS Weft 1290 + SS	Warp 6 Weft 3.5	1.3	—	1000 / 1200 / 1500	—
1100	E-glass	Texturized	Plain	Warp 1160 Weft 1400	Warp 6 Weft 3.5	1.5	—	1000 / 1200 / 1500	—
1150	E-glass	Texturized	Basket	Warp 430 Weft 860	Warp 12 Weft 7	1.5	—	1000 / 1200 / 1500	—

Weight (g/m ²)	Glass type	Yarn process	Weave	Yarn size (tex)	Thread count (ends/cm)	Gauge (mm)	Tensile load (N/50mm)	Width (mm)	Reference style no.
1200	E-glass	Texturized + SS wire	Plain	Warp 1160 + SS Weft 1360 + SS	Warp 6 Weft 3.5	1.5	—	1000 / 1200 / 1500	—
1200	E-glass	Texturized	Plain	Warp 860 Weft 1800	Warp 6 Weft 3.5	1.5	—	1000 / 1200 / 1500	—
1200	E-glass	Texturized + SS wire	—	—	—	1.1	—	—	—
1250	E-glass	Filament	Satin	Warp 48 Weft 48	Warp 18 Weft 12	1.2	—	—	—
1300	E-glass	Texturized	Plain	Warp 1290 Weft 1290	Warp 6 Weft 3.5	2	—	1000 / 1200 / 1500	—
1300	C-glass	Texturized	Plain	Warp 1200 Weft 1800	Warp 6 Weft 3	2	—	1000 / 1200 / 1500	—
1350	E-glass	Texturized	2 × 2 twill	Warp 580 Weft 580	Warp 12 Weft 8	2	—	1000 / 1200 / 1500	—
1550	E-glass	Filament	Satin	Warp 48 Weft 48	Warp 18 Weft 12	1.4	—	—	—
1600	E-glass	Texturized	Basket	Warp 1290 Weft 1400	Warp 6 Weft 6	2.5	—	1000 / 1200 / 1500	—
1650	E/C-glass	Filament	12H satin	—	Warp 18 Weft 13	1.6	—	—	—
1700	E-glass	Filament	12H satin	Warp 547.2 Weft 547.2	Warp 17.32 Weft 12.99	1.23	—	—	3788
1768	E-glass	Texturized	Basket	Warp 860 Weft 1160	Warp 12 Weft 6	3	—	1000 / 1200 / 1500	—
1800 (2000)	C-glass	Texturized	Plain	Warp 2400 Weft 2400	Warp 6 Weft 3	3	—	1000 / 1200 / 1500	—
2040	E-glass	Texturized	Basket	Warp 1290 Weft 3600	Warp 6 Weft 5.6	3	—	1000 / 1200 / 1500	—
2140	E-glass	Texturized	Basket	Warp 1290 Weft 1800	Warp 6 Weft 7	3	—	1000 / 1200 / 1500	—
2448	E-glass	Texturized	Basket	Warp 1290 Weft 1290	Warp 12 Weft 7	3.2	—	1000 / 1200 / 1500	—

Woven roving



Weight (g/m ²)	Glass type	Weave	Yarn size (tex)	Thread count (ends/cm)	Width (mm)	Sizing (%)	Resin
200	E/C-glass	Plain	180	Warp 4.6 Weft 4.6	30-3000 / 20-3000	0.4-0.8	UP / VE / EP
270	E-glass	Plain	Warp 300 Weft 300	Warp 4.6 Weft 4.1	20-3000	0.4-0.8	UP / VE / EP
300	E-glass	Plain	300	Warp 5.0 Weft 5.0	30-3000 / 20-3000	0.4-0.8	UP / VE / EP
300	E-glass	Plain	Warp 600 Weft 600	Warp 3.2 Weft 1.8	—	0.4-0.8	—
360	E-glass	Plain	Warp 600 Weft 900	Warp 3.2 Weft 1.8	20-3000	0.4-0.8	UP / VE / EP
385	C-glass	Plain	Warp 480 Weft 500	—	30-3000	—	—
400	E-glass	Plain	576	Warp 3.6 Weft 3.2	30-3000 / 20-3000	0.4-0.8	UP / VE / EP
450	E-glass	Plain	—	—	20-3000	—	UP / VE / EP

Weight (g/m ²)	Glass type	Weave	Yarn size (tex)	Thread count (ends/cm)	Width (mm)	Sizing (%)	Resin
500	E-glass	Plain	900	Warp 2.2 Weft 2.0	30-3000 / 20-3000	0.4-0.8	UP / VE / EP
580	E-glass	Plain	Warp 1200 Weft 1200	Warp 2.6 Weft 2.2	—	0.4-0.8	—
600	E-glass	Plain	1200	Warp 2.6 Weft 2.4	30-3000 / 20-3000	0.4-0.8	UP / VE / EP
600	C-glass	Plain	Warp 1300 Weft 960	—	30-3000	—	—
720	E-glass	Plain	—	—	20-3000	—	UP / VE / EP
800	E-glass	Plain	2400	Warp 2.0 Weft 1.6	30-3000 / 20-3000	0.4-0.8	UP / VE / EP
810	C-glass	Plain	Warp 2200 Weft 1760	—	30-3000	—	—
860	E-glass	Plain	—	—	20-3000	—	UP / VE / EP
1000	E-glass	Plain	—	—	20-3000	—	UP / VE / EP
1200	E-glass	Plain	—	—	20-3000	—	UP / VE / EP
1500	E-glass	Plain	—	—	20-3000	—	UP / VE / EP
1600	E-glass	Plain	—	—	20-3000	—	UP / VE / EP

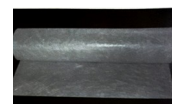
Glass multiaxial & UD fabrics



Total (g/m ²)	Glass type	0° (g/m ²)	90° (g/m ²)	+45° (g/m ²)	-45° (g/m ²)	Mat (g/m ²)	Stitch (g/m ²)
153	ECR-glass	0	114	0	0	30	9
199	ECR-glass	0	0	96	96	0	7
216	ECR-glass	0	211	0	0	0	5
314	E/ECR-glass	0	0	153	153	0	8
319	ECR-glass	0	0	156	156	0	7
321	ECR-glass	0	316	0	0	0	5
389	ECR-glass	168	213	0	0	0	8
411	ECR-glass	0	0	201	201	0	9
425	ECR-glass	0	420	0	0	0	5
511	ECR-glass	420	83	0	0	0	8
534	ECR-glass	0	529	0	0	0	5
586	ECR-glass	330	248	0	0	0	8
602	ECR-glass	144	130	156	156	0	16
608	ECR-glass	0	300	0	0	300	8
609	E/ECR-glass	0	0	301	301	0	7 / 8
619	ECR-glass	576	33	0	0	0	10
638	ECR-glass	288	0	167	167	0	16
643	E/ECR-glass	331	300	0	0	0	12
702	ECR-glass	0	695	0	0	0	7
733	ECR-glass	0	695	0	0	30	8

Total (g/m ²)	Glass type	0° (g/m ²)	90° (g/m ²)	+45° (g/m ²)	-45° (g/m ²)	Mat (g/m ²)	Stitch (g/m ²)
742	ECR-glass	0	260	234	234	0	14
808	ECR-glass	392	0	200	200	0	16
810	E/ECR-glass	0	0	401	401	0	8
812	ECR-glass	504	300	0	0	0	8
827	E/ECR-glass	413	402	0	0	0	12
909	ECR-glass	0	0	301	301	300	7
912	ECR-glass	288	106	251	251	0	16
944	ECR-glass	336	300	0	0	300	8
1093	E/ECR-glass	331	300	0	0	450	12
1176	ECR-glass	0	567	301	301	0	7
1198	ECR-glass	288	300	301	301	0	8
1209	ECR-glass	0	0	601	601	0	7
1210	ECR-glass	1152	50	0	0	0	8
1212	ECR-glass	288	106	251	251	300	16
1220	ECR-glass	504	709	0	0	0	7
1260	ECR-glass	1152	50	0	0	50	8
1260	E/ECR-glass	0	0	401	401	450	8

Chopped strand mat



Weight (g/m ²)	Binder	Construction	Width (mm)	Roll / range width (mm)	Resin	Moisture (%)	LOI (%)	Tensile load N/50mm
80	Powder / Emulsion	Headliner	1350 / 1680	50-3300	PU	—	—	—
85	—	Standard	—	—	—	≤0.20	9±5	≥16.6
100	Powder / Emulsion	Headliner	1350 / 1680	50-3300	PU	—	—	—
100	—	Standard	—	—	—	≤0.20	9±5	≥23.3
110	Powder / Emulsion	Headliner	1350 / 1680	50-3300	PU	—	—	—
120	Powder / Emulsion	Headliner	1350 / 1680	50-3300	PU	—	—	—
120	—	Standard	—	—	—	≤0.20	9±5	≥33.3
135	Powder / Emulsion	Headliner	1350 / 1680	50-3300	PU	—	—	—
150	Powder / Emulsion	Standard	1040 / 1250	50-3300	UP / VE / EP	—	—	—
180	Powder / Emulsion	Standard	1040 / 1250	50-3300	UP / VE / EP	—	—	—
225	Powder / Emulsion	Standard	1040 / 1250	50-3300	UP / VE / EP	≤0.20	2-8	≥26.6
225	Powder / Emulsion	Transparent	1040 / 1250	50-3300	UP / VE / EP	—	—	—
300	Powder / Emulsion	Standard	1040 / 1250	50-3300	UP / VE / EP	≤0.20	2-8	≥43.3

Weight (g/m ²)	Binder	Construction	Width (mm)	Roll / range width (mm)	Resin	Moisture (%)	LOI (%)	Tensile load N/50mm
300	Powder / Emulsion	Transparent	1040 / 1250	50-3300	UP / VE / EP	—	—	—
370	Powder / Emulsion	Transparent	1040 / 1250	50-3300	UP / VE / EP	—	—	—
375	Powder / Emulsion	Standard	1040 / 1250	50-3300	UP / VE / EP	—	—	—
450	Powder / Emulsion	Standard	1040 / 1250	50-3300	UP / VE / EP	≤0.20	2-8	≥50
450	Powder / Emulsion	Transparent	1040 / 1250	50-3300	UP / VE / EP	—	—	—
600	Powder / Emulsion	Standard	1040 / 1250	50-3300	UP / VE / EP	≤0.20	2-8	≥56.6
600	Powder / Emulsion	Transparent	1040 / 1250	50-3300	UP / VE / EP	—	—	—
900	Powder / Emulsion	Standard	1040 / 1250	50-3300	UP / VE / EP	≤0.20	2-8	≥60

Continuous filament mat



Weight (g/m ²)	Moisture (%)	Binder (%)	Tensile load N/50mm	Width (mm)
300	≤0.2	2.1 - 6.3	> 133.3	1040,1200
450	≤0.2	2.1-6.3	> 200	1040,1200
600	≤0.2	2.1-6.3	> 233.3	1040,1200

Stitched & combination mats



Stitched chopped-strand mats

Glass layer (g/m ²)	Stitch yarn (g/m ²)	Finished mass (g/m ²)	Width (mm)
300	9.5	309.5	≤2794
380	9.5	389.5	≤2794
450	9.5	459.5	≤2794
600	9.5	609.5	≤2794
900	9.5	909.5	≤2794

Woven-roving / chopped-strand combination mats

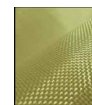
Woven layer (g/m ²)	Chopped layer (g/m ²)	Stitch yarn (g/m ²)	Finished mass (g/m ²)	Width (mm)
600	275	—	875	20-3300
612	274.64	9.5	896.14	≤2794
612	305.15	9.5	926.65	≤2794
600	450	—	1050	20-3300
800	275	—	1075	20-3300

Woven layer (g/m ²)	Chopped layer (g/m ²)	Stitch yarn (g/m ²)	Finished mass (g/m ²)	Width (mm)
612	457.73	10.71	1080.44	≤2794
847	274.64	10.71	1132.35	≤2794
847	305.15	10.71	1162.86	≤2794
800	450	—	1250	20-3300
847	457.73	10.71	1315.44	≤2794
847	900	15.71	1762.71	≤2794

RTM combination mats

Outer glass (g/m ²)	Core layer (g/m ²)	Inner glass (g/m ²)	Layer mass sum (g/m ²)	Width (mm)
300	180	300	780	1250-2600
300	250	300	850	1250-2600
450	180	450	1080	1250-2600
450	250	450	1150	1250-2600
600	180	600	1380	1250-2600
600	250	600	1450	1250-2600

Aramid fabrics



Weight (g/m ²)	Yarn process	Weave	Yarn size (tex)	Thread count (ends/cm)	Gauge (mm)	Width (mm)
75	Staple	—	—	Warp 12 Weft 11.5	0.29	—
82	Filament	Plain / 2 × 2 twill	Warp 44.4 Weft 44.4	Warp 9.5 Weft 9.5	0.08	100-1500
115	Filament	—	Warp 44.4 Weft 44.4	Warp 12.4 Weft 13.3	0.17	—
155	Filament	Plain / 2 × 2 twill	Warp 111.1 Weft 111.1	Warp 7 Weft 7	0.24	100-1500
170	Filament	Plain / 2 × 2 twill	Warp 166.7 Weft 166.7	Warp 5 Weft 5	0.22	100-1500
180	Filament	Plain / 2 × 2 twill	Warp 111.1 Weft 111.1	Warp 8 Weft 8	0.25	100-1500
185	Filament	Plain / 2 × 2 twill	Warp 166.7 Weft 166.7	Warp 5.5 Weft 5.5	0.24	100-1500
200	Filament	Plain / 2 × 2 twill	Warp 111.1 Weft 111.1	Warp 9 Weft 9	0.26	100-1500
205	Filament	Plain / 2 × 2 twill	Warp 166.7 Weft 166.7	Warp 6 Weft 6	0.26	100-1500
220	Filament	Plain / 2 × 2 twill	Warp 111.1 Weft 111.1	Warp 10 Weft 10	0.28	100-1500
220	Filament	Plain / 2 × 2 twill	Warp 166.7 Weft 166.7	Warp 6.5 Weft 6.5	0.28	100-1500
240	Filament	Plain / 2 × 2 twill	Warp 166.7 Weft 166.7	Warp 7 Weft 7	0.3	100-1500
275	Filament	—	Warp 111.1 Weft 111.1	Warp 12.9 Weft 10.5	0.6	—

Weight (g/m ²)	Yarn process	Weave	Yarn size (tex)	Thread count (ends/cm)	Gauge (mm)	Width (mm)
279	Filament	—	Warp 111.1 Weft 55.6	Warp 20 Weft 7.7	0.49	—
280	Filament	—	Warp 111.1 Weft 111.1	Warp 12 Weft 10.8	0.45	—
400	Filament	Plain / 2 × 2 twill	Warp 333.3 Weft 333.3	Warp 6 Weft 6	0.4	100-1500
440	Filament	Plain / 2 × 2 twill	Warp 333.3 Weft 333.3	Warp 6.7 Weft 6.7	0.42	100-1500
585	Filament	—	Warp 444.4 Weft 444.4	Warp 7 Weft 5	1.03	—

PBO woven & UD fabrics



Weight (g/m ²)	Weave	Yarn class	Thickness (mm)	Width (mm)	Thread count (ends/cm)	Tensile load N/50mm
75	Plain	High strength 27.5 tex	0.11	1000-1500	13	≥4800
140	Plain	High modulus 110 tex	0.2	1000-1500	6	≥6600
140	UD	High modulus 110 tex	0.28	1000-1500	12	≥11600
200	Plain	High strength 110 tex	0.27	1000-1500	9	≥10800
200	Plain	High modulus 110 tex	0.27	1000-1500	9	≥9200

Basalt fibre fabrics



Weight (g/m ²)	Weave	Thickness (mm)	Yarn size (tex)	Thread count (ends/cm)	Width (mm)
100	Plain	0.10	Warp 36 Weft 36	Warp 15 Weft 14	1000
143	Plain	0.15	Warp 130 Weft 130	Warp 5 Weft 6	1000
200	Plain	0.20	Warp 100 Weft 100	Warp 10 Weft 10	1000
200	Twill	0.24	Warp 136 Weft 136	Warp 8 Weft 7	1000
300	Twill	0.26	Warp 300 Weft 300	Warp 5 Weft 5	1000
300	Plain	0.30	Warp 260 Weft 260	Warp 5 Weft 6.5	1000
320	Plain	0.32	Warp 300 Weft 300	Warp 6 Weft 5.5	1000
330	Satin	0.33	Warp 75 Weft 75	Warp 22 Weft 21	1000
400	Plain	0.40	Warp 400 Weft 400	Warp 5 Weft 5	1000
640	Twill	0.26	Warp 800 Weft 800	Warp 4 Weft 4	1000

Weight (g/m ²)	Weave	Thickness (mm)	Yarn size (tex)	Thread count (ends/cm)	Width (mm)
640	Plain	0.64	Warp 800 Weft 800	Warp 5 Weft 3	1000

Basalt UD fabrics



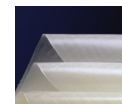
Weight (g/m ²)	Thickness (mm)	Tensile (MPa)	Modulus GPa	Elongation (%)	Width (mm)	Length (m)
200	0.100	≥2100	≥100	≥2.6	500	100
300	0.115	≥2100	≥100	≥2.6	500	100
360	0.138	≥2100	≥100	≥2.6	500	100
380	0.146	≥2100	≥100	≥2.6	500	100
450	0.360	≥2100	≥100	≥2.6	500	100
650	0.550	≥2100	≥100	≥2.6	500	100

Quartz fibre fabrics



Weight (g/m ²)	Weave	Thickness (mm)	Thread count (ends/cm)	Tensile load (N/50mm)
40	Plain	0.04	Warp 22 Weft 20	Warp 800 Weft 800
108	Plain / Twill	0.10	Warp 20 Weft 20	Warp 1100 Weft 1100 / 1200
165	Twill	0.14	Warp 16 Weft 16	Warp 1400 Weft 1400
210	Plain / Twill	0.21	Warp 16 Weft 14	Warp 1800 Weft 1800
240	Satin	0.24	Warp 16 Weft 16	Warp 3000 Weft 3000
280	Satin	0.28	Warp 36 Weft 20	Warp 3600 Weft 3400

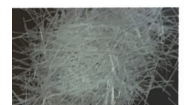
UHMWPE woven, UD & knitted fabrics



Weight (g/m ²)	Structure	Weave	Yarn size (tex)	Thread count (ends/cm)	Gauge (mm)	Width (mm)	Roll length (m)	Resin (%)
33	Woven	Plain	11.1	Warp 15 Weft 15	0.08	1500	—	—
56±3	UD prepreg	—	—	—	—	—	—	42±3
90	Woven	Plain	22.2	Warp 17 Weft 17	0.2	1400	—	—
105	Woven	Plain	44.4+88.9	Warp 11 Weft 11	0.28	1000	—	—
120±5	Hard UD	—	—	—	—	1200	105±5	—
130	Woven	Plain	44.4	Warp 16 Weft 14	0.27	1500	—	—
130±5	Soft UD	—	—	—	—	1200	105±5	—

Weight (g/m ²)	Structure	Weave	Yarn size (tex)	Thread count (ends/cm)	Gauge (mm)	Width (mm)	Roll length (m)	Resin (%)
145±5	Soft UD	—	—	—	—	1200	105±5	—
160±5	Soft UD	—	—	—	—	1200	105±5	—
180	Woven	Plain	44.4	Warp 22 Weft 22	0.38	1500	—	—
185±8	Soft UD	—	—	—	—	1200	105±5	—
220	Woven	Plain	111.1	Warp 10 Weft 10	0.46	1650	—	—
240	Woven	Plain	166.7	Warp 8 Weft 8	0.48	1650	—	—
290	Woven	Plain	166.7	Warp 9 Weft 9	0.61	1500	—	—
450	Knitted	—	—	—	—	1600	—	—
480	Woven	Plain	111.1	Warp 20 Weft 20	1.15	1500	—	—
600	Knitted	—	—	—	—	1600	—	—
720	Knitted	—	—	—	—	1600	—	—

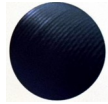
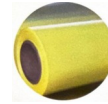
Chopped reinforcement fibres



Material	Form	Cut length (mm)	Filament (μm)	ZrO ₂ (%)	Sizing (%)	Moisture (%)	Resin
Glass	Chopped strand	4.5±1.0	13±10%	—	0.50±0.15	≤0.10	PP
Glass	Chopped strand	4.5±1.0	11±10%	—	0.50±0.15	≤0.10	PA6 / PA66
Glass	Chopped strand	3 / 4.5	10-13	—	—	—	PA
Glass	Chopped strand	3 / 4.5	10-13	—	—	—	PP / PA
Glass	Chopped strand	3	10-13	—	—	—	PBT
Glass	Chopped strand	3 / 6 / 12	10-13	—	—	—	BMC: EP / UP / VE
Glass	Wet chopped strand	3	—	—	0.10±0.05	10±2	—
Glass	Wet chopped strand	6	—	—	0.10±0.05	10±2	—
Glass	Wet chopped strand	9	—	—	0.10±0.05	10±2	—
Glass	Wet chopped strand	12	—	—	0.10±0.05	10±2	—
AR-glass	Chopped strand	—	8-30	≥16	—	—	—
AR-glass	Chopped strand	6	13	≥16.5	—	≤0.20	—
AR-glass	Chopped strand	12	13	≥16.5	—	≤0.20	—
AR-glass	Chopped strand	18	13	≥16.5	—	≤0.20	—
AR-glass	Chopped strand	24	13	≥16.5	—	≤0.20	—
AR-glass	Chopped strand	36	19	≥16.5	—	≤0.20	—
AR-glass	Chopped strand	3	15	≥16.5	—	≤0.20	—
AR-glass	Chopped strand	6	15	≥16.5	—	≤0.20	—
AR-glass	Chopped strand	9	15	≥16.5	—	≤0.20	—
AR-glass	Chopped strand	12	15	≥16.5	—	≤0.20	—
AR-glass	Chopped strand	18	15	≥16.5	—	≤0.20	—

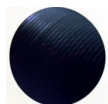
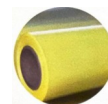
Material	Form	Cut length (mm)	Filament (µm)	ZrO ₂ (%)	Sizing (%)	Moisture (%)	Resin
PBO	Chopped fibre	1	—	—	—	—	—
PBO	Chopped fibre	3	—	—	—	—	—
PBO	Chopped fibre	6	—	—	—	—	—
PBO	Staple fibre	51	—	—	—	—	—
Basalt	Chopped strand	3 / 4.5	13	—	—	—	—
Basalt	Chopped strand	3 / 6 / 12	13	—	—	—	—
Basalt	Chopped strand	19	13	—	—	—	—
Basalt	Chopped strand	3 / 6 / 9 / 12	15	—	—	—	—
100% UHMWPE	Staple fibre	3-76	—	—	—	—	—

Vacuum bagging films



Polymer / layer structure	Gauge (µm)	Width (mm)	Max. temperature (°C)	Colour	Process
PE Polyethylene	75	≤6000	100	—	Pre-compaction / infusion
PA/PE · co-extruded multilayer Polyamide/polyethylene	50 / 65 / 75	4570 / 5500 / 6000 / 8000 / 12000	150	Yellow	Infusion; not autoclave
PE/PA Polyethylene/polyamide	50	≤6000	150	—	Pre-compaction / infusion
PE/PA Polyethylene/polyamide	65	≤6000	150	—	Oven
PA/PE · co-extruded multilayer Polyamide/polyethylene	55 / 75	≤6500	165	Blue	—
PA Polyamide	50	≤5000	170	—	Autoclave
PA/PE/PA Polyamide/polyethylene/polyamide	55 / 65 / 75	—	180	Green	—
PA Polyamide	50 / 75	≤5000	200	—	Autoclave
Modified PA · single layer Modified polyamide	50 / 75	≤3900	205	Green	—
Modified PA Modified polyamide	50 / 75	≤4500	230	—	Autoclave
Modified PA · single layer Modified polyamide	55 / 75	≤3040	230	Blue	—
PTFE Polytetrafluoroethylene	75	1270	280	—	Autoclave
Modified PTFE Modified polytetrafluoroethylene	75	1270	315	—	Autoclave
PI Polyimide	50	1000	400	—	Autoclave

Release films for vacuum processing



Base polymer	Gauge (µm)	Width (mm)	Max. temperature (°C)	Perforation
PE Polyethylene	35±5	≤1500	120	Non-perforated / Perforated
PP/PE Polypropylene/polyethylene	35±5	≤1500	150	Non-perforated / Perforated
PMP Polymethylpentene	38 / 50	1270	190	P1 / P3 / P16 / P31
FEP Fluorinated ethylene propylene	30±5	Non-perforated: ≤7100 Perforated: ≤5000	204	Non-perforated / Perforated
ETFE Ethylene/tetrafluoroethylene copolymer	12.5 / 15 / 20 / 25	1220-1500	230	Non-perforated / P3 / P6 / P16

Base polymer	Gauge (µm)	Width (mm)	Max. temperature (°C)	Perforation
ETFE Ethylene/tetrafluoroethylene copolymer	15 / 20 / 25	1270 / 1530	230	P1 / P3 / P16 / P31
FEP Fluorinated ethylene propylene	12.5 / 15 / 20 / 25 / 50	1220-1500	260	Non-perforated / P3 / P6 / P16
FEP Fluorinated ethylene propylene	20 / 25	1270 / 1530	260	P1 / P3 / P16 / P31
PTFE Polytetrafluoroethylene	25	1270	315	P1 / P3 / P16 / P31
PI Polyimide	25	1000	400	P1 / P3 / P16 / P31

Peel ply fabrics



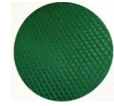
Mass (g/m²)	Fibre	Thickness (mm)	Width (mm)	Max. temperature (°C)	Weave
62	PA66	0.106	1520	200	Tight weave
85±5%	PA66	0.10-0.15 / 0.11-0.15	100-1800	230	Plain
85±5%	PET	0.10-0.15	100-1800	220	Plain
85	PET	0.110	1800	180	—
90±5%	PA6	0.10-0.15	100-1800	230	Plain
95±5%	PET	0.12-0.15	100-1800	220	Plain
105±5%	PA66	0.12-0.18	100-1800	240	Plain

Breather & bleeder fabrics



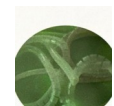
Weight (g/m²)	Fibre	Gauge (mm)	Width (mm)	Roll length (m)	Max. use temperature °C
150	PET	—	1500 / 1520	100	200 / 205
150 / 340	PET 90% / PA 10%	—	1000	—	180
200 / 340 / 440	PA	—	—	—	230
203	Glass	—	—	—	400
250	PET	—	1500	50	200
330	PET	—	1500 / 1520	50	200 / 205
330	PA/PET	—	1520	—	232
340	PET	—	1500	50	—

Infusion flow media



Mass (g/m ²)	Polymer	Thickness (mm)	Width (mm)	Roll length (m)	Max. temperature (°C)	Structure / colour
100	PP	0.8	1200	—	150	Extruded
105	PE	1.0	—	—	120	Extruded / Green
130	PE	1.0±0.1	2000 / 4000	100 / 50	120	Knitted / White / Dark green
145	PE	1.0	—	—	120	Woven / Green / Black
150	PE	1.0±0.1	2000 / 4000	100 / 50	120	Knitted / White / Dark green
160	PE	1.1±0.1	2000 / 4000	100 / 50	120	Knitted / White / Dark green
160	PE	1.1±0.2	1200	50	120	Extruded / Yellow
180	PE	1.3	—	—	120	Woven / Black
180	PE	1.1±0.1	2000 / 4000	100 / 50	120	Knitted / Dark green
200	PE	1.3 / 1.3±0.2	1200	50	120	Extruded / Green / Dark green
250	PE	1.4±0.2	1200	50	120	Extruded / Dark green
460	PE	1.7±0.2	1000	50	120	Extruded / Blue

Infusion tubing & spiral wrap



Form	Bore (mm)	Wall (mm)	Max. use temperature °C	Length (m)	Colour
Tube	8	0.9	100	100	White
Tube	10	0.9	100	100	White
Tube	12	0.9	100	100	White
Tube	18	1.3	100	100	White
Tube	10	3.0	60	30	Green
Spiral wrap	10	0.9	100	100	White
Spiral wrap	12	0.9	100	100	White
Spiral wrap	18	1.3	100	100	White
Tube	8	—	100	—	Transparent / White
Tube	10	—	100	—	Transparent / White
Tube	12	—	100	—	Transparent / Reinforcing rib
Tube	18	—	100	—	Transparent / Reinforcing rib
Tube	35	—	100	—	Transparent / Reinforcing rib
Spiral wrap	10	—	100	—	Transparent / White
Spiral wrap	12	—	100	—	Transparent / White
Spiral wrap	18	—	100	—	Transparent / White

Infusion blocks, fittings & valves



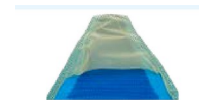
Form	Connection dimension	Size (mm)	Max. use temperature °C
Infusion block	ID	16	—
Infusion block	ID	35	—
L-connector	OD	12	—
L-connector	OD	18	—
T-connector	OD	10	≤120
T-connector	OD	12	≤120
T-connector	OD	18	≤120
Infusion valve	OD	10	—
Infusion valve	OD	12	—
Infusion valve	OD	18	—
Infusion valve	OD	35	—

Omega profiles & infusion channels



Form	Dimension basis	Size (mm)	Length (m)	Max. use temperature °C
Omega profile	Bore	16 / 22 / 24	—	120
Flow channel	Width	50 / 100	—	254
Omega profile	Bore	16	2.5	60
Infusion channel	Width	50 / 100	—	100

Membrane vacuum evacuation lines



Form	Width (mm)	Roll length (m)	Max. use temperature °C
Film / mesh / membrane	150 / 200 / 250 / 300 / 350	—	150

Adhesive & flash tapes for processing



Backing / adhesive	Total gauge mm	Width mm	Roll length m	Max. use temperature °C	Colour
PET / Silicone	0.068±0.010	25 / 50	66	200	Blue
PTFE / Silicone	0.090 / 0.114 / 0.165 / 0.190	25 / 50	32.9184	260	Grey

Vacuum bagging sealant tapes



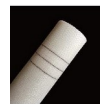
Max. temperature (°C)	Process	Thickness (mm)	Width (mm)	Roll length (m)	Colour	Removal / use
120	Infusion	2	10	15	Black	—
120	Infusion	2.5	12	15	Black	—
120	Pre-compaction	3	13	7.5 / 15	Black	Reusable for pre-compaction
150	Oven	2.5	12	7.5 / 15	Yellow	—
150	Vacuum infusion / RTM	3	12	15	Black	Butyl rubber; removable after cure
150	Infusion / compaction	3	12	—	Black	Cool to room temperature before removal
160	Autoclave	3	13	7.5 / 15	Grey	—
180	Vacuum infusion / RTM	3	12	15	Yellow	Butyl rubber; removable after cure
200	Autoclave	3	13	7.5 / 15	Yellow	Remove at 60°C; no residue stated
200	Oven / autoclave	3.5	12.5	—	Yellow	Remove after cooling
204	Vacuum infusion / RTM	3	12	15	Yellow	Butyl rubber; removable after cure
230	Autoclave	3	13	7.5 / 15	Green	Remove at 60°C; no residue stated
230	Autoclave	3.5	12.5	—	Yellow	Remove after cooling
235	Autoclave	3	12.5	—	Green	Remove after cooling
240	Vacuum infusion / RTM	3	12	15	Yellow / Green	Butyl rubber; removable after cure
280	Autoclave	3	13	7.5	Blue	High extensibility
400	Autoclave	3	13	7.5	Light green	Use together with 230°C companion tape

Butyl tapes, sealers & sheets



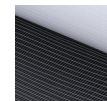
Product form	Thickness (mm)	Width (mm)	Length (m)
Single-sided butyl tape	0.5-2.0	10-1000	3-20
Mesh-reinforced tape	0.5-2.0	3-1000	10-30
Moulded sealer	0.8-20	5-300	10-30
Covered waterproofing sheet	1.0-2.0	50-1000	10-20

Glass mesh & self-adhesive mesh



Weight (g/m ²)	Form / structure	Grid (mm)	Yarn size (tex)	Thread count (ends/cm)	Resin (%)
50	Self-adhesive	—	—	3.2	28
60±4	Mesh	—	Warp 66 Weft 80	Warp 3.54 Weft 3.54	—
60±4	Mesh	—	Warp 66 Weft 80	Warp 3.54 Weft 3.15	—
60	Self-adhesive	—	—	3.2	28
65	Self-adhesive	—	—	3.6	28
70	Self-adhesive	—	—	3.6	28
75	Self-adhesive	—	—	3.6	28
110	Self-adhesive	—	—	3.6	30
130±10	Mesh	4 × 4	Warp 200 Weft 300	Warp 2.5 Weft 2.5	—
160	Mesh / Coated mesh	5 × 5	—	—	—
250±8%	Mesh / AR mesh	8 × 8±8%	—	—	—

Glass & PET laid scrims



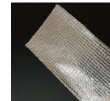
Weight (g/m ²)	Material	Grid (mm)	Yarn size (tex)	Tensile load (N/50mm)	Elongation (%)	Binder
3.8-4.2	PET	4 × 6	Warp 7.6 Weft 7.6	Warp 66 Weft 41	Warp 20 Weft 20	PVOH
4-5	PET	2.5 × 10	Warp 7.6 Weft 7.6	Warp 68 Weft 24	Warp 20 Weft 20	PVOH
4	PET	3 × 25 × 25	Warp 7.5 Weft 7.5	Warp 50 Weft 10	Warp 20 Weft 20	PVOH
5.5-6	PET	2.5 × 5	Warp 7.6 Weft 7.6	Warp 83 Weft 41	Warp 20 Weft 20	PVOH
6	Glass	12.5 × 12.5	Warp 34 Weft 34	Warp 130 Weft 130	<4	—
10	Glass	6.25 × 12.5	Warp 34 Weft 34	Warp 160 Weft 80	<4	—
10	Glass	10 × 10	Warp 34 Weft 34	Warp 150 Weft 150	<4	—
12	Glass	6.25 × 6.25	Warp 34 Weft 34	Warp 160 Weft 160	<4	—
15-16.5 / 15	Glass	5 × 5	34	Warp 120-150 Weft 250	Warp 4 Weft <4	PVOH
24	Glass	3 × 3	Warp 34 Weft 34	Warp 300 Weft 300	<4	—
27-30	Glass	3 × 3	Warp 34 Weft 34	Warp 250-300 Weft 250-300	Warp 4 Weft 4	PVOH
58	PET	4 × 4	Warp 55 Weft 55	Warp 600 Weft 600	Warp 20 Weft 20	Light PVC

Silicone-coated glass & silica fabrics



Total (g/m²)	Base material	Base weave	Finished thickness (mm)	Faces	Coating (g/m²)
500	E-glass	4HS	0.42	1	80
520	E-glass	4HS	0.42	1	100
550	E-glass	4HS	0.42	2	130
580	E-glass	4HS	0.42	2	160
720	Silica	8HS	0.7	1	120
720	Silica	8HS	0.7	2	130
800	Silica	8HS	0.7	2	200
890	E-glass	8HS	0.8	1 / 2	260
940	E-glass	8HS	0.8	2	300
1080	E-glass	8HS	0.95	1 / 2	200
1100	E-glass	8HS	0.95	2	260
1700	E-glass	8HS	1.2	1	900
1850	E-glass	Plain	1.3	1	800
2550	E-glass	Plain	1.5	2	1550
3200	E-glass	Plain	3.2	1	2200

Aluminium / glass laminates



Total (g/m²)	Base material	Finished thickness (mm)	Base weave
115	E/C-glass	0.12	Plain
240	E/C-glass	0.19	Plain
400	E-glass	0.5	Plain
480	E/C-glass	0.43	4HS
660	E/C-glass	0.6	Double plain
660	E-glass	0.8	Plain
680	High-silica	0.7	8HS
900	E/C-glass	0.8	Double plain
1100	E-glass	1.5	Plain
1200	High-silica	1.3	12HS

PU / PVC coated glass fabrics



Total (g/m ²)	Base material	Coating	Base (g/m ²)	Coating (g/m ²)	Base thickness (mm)	Finished thickness (mm)	Faces	Base weave
240±20	E/C-glass	PVC	140±3	100±20	0.15±5%	—	—	—
300±5%	E/C-glass	PU	260±10%	40	0.26±5%	—	—	—
380	E/C-glass	PVC	280±10%	100	0.30±5%	—	—	—
450	E/C-glass	PU	—	30	—	0.42	1 / 2	4HS
470	E/C-glass	PU	—	60	—	0.42	2	4HS
630	E/C-glass	PU	—	30	—	0.75	1 / 2	Double plain
630	High-silica	PU	—	30	—	0.7	1	8HS
680	E/C-glass	PU	—	40	—	0.75	1 / 2	8HS
700	E/C-glass	PU	—	100	—	0.8	2	Plain
720	E/C-glass	PU	—	80	—	0.75	2	8HS
1100	E/C-glass	PU	—	100	—	1.0	2	Plain
1150	High-silica	PU	—	50	—	1.0	1	12HS

PTFE-coated glass fabrics



Total (g/m ²)	Base material	Finished thickness (mm)	Faces	Base weave
140	E-glass	0.13	2	Plain
250	E-glass	0.18	2	Plain
560	E-glass	0.4	2	4HS
580	E-glass	0.33	2	2/2 twill
720	E-glass	0.33	2	Plain

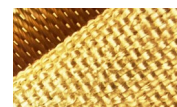
Acrylic, vermiculite & treated fabrics



Total (g/m ²)	Base material	Coating	Base weave	Finished thickness (mm)
320	E/C-glass	Vermiculite	Plain	0.4
380	E/C-glass	PVC	Plain	0.3
410	E/C-glass	PVC	Plain	0.4
450	E/C-glass	Acrylic	4HS	0.42
490	E/C-glass	Acrylic	4HS	0.42
520	E/C-glass	Acrylic	4HS	0.42
550	E/C-glass	Neoprene	4HS	0.4
600	E/C-glass	Acrylic	Double plain	0.6
600	E/C-glass	Acrylic	Plain	0.75
620	E/C-glass	Vermiculite	Plain	0.75

Total (g/m ²)	Base material	Coating	Base weave	Finished thickness (mm)
640	High-silica	Vermiculite	8HS	0.7
780	E/C-glass	Neoprene	Plain	0.75
800	E/C-glass	Acrylic	Double plain	0.8
830	E/C-glass	Acrylic	Plain	0.95
840	E/C-glass	Vermiculite	Plain	0.95
1030	E/C-glass	Acrylic	Plain	1.3
1050	E/C-glass	Vermiculite	Plain	1.3
1100	E/C-glass	Graphite	Plain	1.3
1180	High-silica	Vermiculite	12HS	1.3
2000	E/C-glass	FKM	12HS	1.3
2000	E/C-glass	EPDM	12HS	1.3

High-silica fabrics



Weight (g/m ²)	SiO ₂ (%)	Weave	Thickness (mm)	Width (mm)	Thread count (ends/cm)	Tolerance (%)
240	>96	Plain	0.26	—	Warp 16 Weft 11	±5
300	>96	8HS	0.3	—	Warp 18 Weft 11	±5
300±30	≥96	3/1 twill	0.35±0.05	920	Warp 18.5 Weft 12.5 ±2	—
500±30	≥96	8HS	0.60±0.05	920	Warp 18.5 Weft 12.5 ±2	—
600	>80	8HS	0.6	—	Warp 18 Weft 13	±5
600	>96	8HS	0.6	—	Warp 18 Weft 13	±5
600±30	≥96	8HS	0.70±0.05	920 / 1000 / 840-860	Warp 18.5 Weft 12.5 ±2	—
1100	>80	12HS	1.3	—	Warp 18 Weft 13	±5
1100	>96	12HS	1.3	—	Warp 18 Weft 13	±5
1200	>96	Plain	2.0	—	Warp 5 Weft 5	±5
1250±50	≥96	12HS	1.30±0.10	920 / 1000 / 840-860	Warp 18 Weft 13 ±1	—

Glass & silica woven tapes



Weight (g/m ²)	Material	Weave	Gauge (mm)	Width (mm)	Thread count (ends/cm)	Roll length (m)	SiO ₂ (%)
85±9	Silica	Plain	0.1±0.01	25-100	—	—	≥96%
100	E-glass	—	—	50-300	Warp 16 Weft 15	50-2000	—
200	E-glass	—	—	50-300	Warp 8 Weft 7	50-2000	—
240±24	Silica	Plain	0.28±0.03	25-100	—	—	≥96%
275±30	Silica	Plain	0.36±0.04	25-100	—	—	≥96%
300	E-glass	—	—	50-300	Warp 8 Weft 7	50-2000	—
440±44	Silica	Plain	0.55±0.06	25-100	—	—	≥96%
600±60	Silica	Satin	0.65±0.07	25-100	—	—	≥96%
680±68	Silica	Plain	0.76±0.08	25-100	—	—	≥96%
915±92	Silica	Satin	1.0±0.1	25-100	—	—	≥96%
1350±135	Silica	Plain	1.6±0.16	25-100	—	—	≥96%
1450±145	Silica	Plain	1.75±0.18	25-100	—	—	≥96%
2000±200	Silica	Plain	2.1±0.21	25-100	—	—	≥96%
2700±270	Silica	Plain	2.4±0.24	25-100	—	—	≥96%

Glass & silica ropes and sleeves



Form	Construction / finish	Dimensions (mm)
Tape	Uncoated	Gauge 1.5-3.0; Width 10-200
Tape	Aluminium laminated	Gauge 1.5-3.0; Width 10-200
Tape	Heat-cleaned	Gauge 1.5-3.0; Width 10-200
Rope	Braided / Round	Dia 5-50
Rope	Braided / Square	Dia 6-50
Rope	3-ply twist / Round	Dia 3-50
Rope	Graphite impregnated / Round	Dia 5-50
Sleeve	Uncoated	Bore 10-150; Wall 2.5-3.0
Sleeve	Silicone coated	Bore 10-150; Wall 2.5-5.0

Silica sleeve linear mass & dimensions

Weight g/m	Bore (mm)	Wall (mm)	Roll length (m)	SiO ₂ (%)
12	5	0.7±0.2	30	≥96
18	8	1.6±0.2	30	≥96
50	10	1.6±0.2	30	≥96
65	15	1.6±0.2	30	≥96

Weight g/m	Bore (mm)	Wall (mm)	Roll length (m)	SiO ₂ (%)
85	20	1.6±0.2	30	≥96
90	25	1.6±0.2	30	≥96
125	30	1.6±0.2	30	≥96
140	35	1.6±0.2	30	≥96
170	40	1.6±0.2	30	≥96
180	50	1.6±0.2	30	≥96
255	64	1.6±0.2	30	≥96
305	76	1.6±0.2	30	≥96
320	80	1.6±0.2	30	≥96
345	86	1.6±0.2	30	≥96
360	90	1.6±0.2	30	≥96
380	96	1.6±0.2	30	≥96
480	120	1.6±0.2	30	≥96

Quartz fibre sleeves



Bore (mm)	Wall (mm)
5-120	0.3-1

UHMWPE ropes



12-strand dimensions & weights

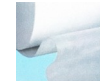
Diameter (mm)	Circumference (mm)	Roll length (m)	Weight g/m
6	19	220	23.636
8	26	220	40
10	32	220	61.364
12	38	220	87.273
14	45	220	117.273
16	51	220	151.364
18	58	220	190
20	64	220	232.727
22	70	220	281.364
24	77	220	331.364
26	83	220	384.091
28	90	220	445
30	96	220	504.545
32	102	220	572.727

Diameter (mm)	Circumference (mm)	Roll length (m)	Weight g/m
34	109	220	659.091
36	115	220	718.182
38	122	220	795.455
40	128	220	877.273
44	141	220	1059.091
48	154	220	1250
52	166	220	1454.545
56	179	220	1681.818
60	192	220	1927.273
64	205	220	2200
68	218	220	2477.273
72	230	220	2777.273
76	243	220	3090.909
80	256	220	3431.818
88	282	220	4168.182
96	307	220	4954.545

Braid & range

Diameter (mm)	Braid strands	Colour
0.5-300	8 / 12 / 16 / 24 / 32 / 36 / 48	White / black / yellow / red / blue

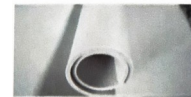
Glass veils & tissues



Weight (g/m ²)	Form / process	Glass	Gauge (mm)	Binder / LOI (%)	Tensile load MD / CD N/50mm	Width (mm)	Moisture (%)	Wet-outs	Permeability m ³ /m ² ·s
25	Flooring tissue	—	0.2	LOI: ≤25	MD ≥80 CD ≥50	—	—	—	—
30	Surface veil / Winding	C/E/ECR-glass	—	Binder: 6.0	MD ≥25 CD —	—	≤0.2	—	—
30	Surface veil / Hand lay-up	C/E/ECR-glass	—	Binder: 7.0	MD ≥20 CD —	—	≤0.2	—	—
35	Carpet tissue	—	0.33 ±0.03	Binder: 22±3	MD ≥120 CD ≥80	—	—	—	4.0±0.5
35	Flooring tissue	—	0.30	LOI: ≤30	MD ≥150 CD ≥70	—	—	—	—
35	Carpet tissue	—	0.35 ±0.05	LOI: 20±3	MD ≥100 CD ≥70	—	—	—	—
40	Carpet tissue	—	0.42 ±0.04	Binder: 22±3	MD ≥136 CD ≥112	—	—	—	≤4.40
40	Flooring tissue	—	0.35	LOI: ≤30	MD ≥180 CD ≥80	—	—	—	—
40	Carpet tissue	—	0.4±0.01	LOI: 20±3	MD ≥120 CD ≥80	—	—	—	—
45	Roofing tissue	—	—	Binder: 18	MD ≥200 CD ≥75	—	—	—	—
45	Flooring tissue	—	0.35	LOI: ≤30	MD ≥200 CD ≥90	—	—	—	—
50	Surface veil / Winding	C/E/ECR-glass	—	Binder: 6.0	MD ≥40 CD —	—	≤0.2	—	—
50	Surface veil / Hand lay-up	C/E/ECR-glass	—	Binder: 6.0	MD ≥30 CD —	—	≤0.2	—	—
50	Roofing tissue	—	—	Binder: 18	MD ≥170 CD ≥100	—	—	—	—
50	Flooring tissue	—	0.40	LOI: ≤30	MD ≥250 CD ≥100	—	—	—	—
50	Carpet tissue	—	0.48±0.1	LOI: 20±3	MD ≥150 CD ≥90	—	—	—	—
60	Roofing tissue	—	—	Binder: 18	MD ≥180 CD ≥120	—	—	—	—
60	Roofing tissue	—	—	Binder: 16	MD ≥180 CD ≥100	—	—	—	—
60	Carpet tissue	—	0.58±0.1	LOI: 20±3	MD ≥180 CD ≥100	—	—	—	—
70	Carpet tissue	—	0.65±0.1	LOI: 20±3	MD ≥200 CD ≥120	—	—	—	—
75±5	PCB tissue	—	—	Binder: 11±2	MD >225 CD >150	1265	—	—	—
82	Battery tissue	C	0.6±0.04	Binder: <20	MD ≥120 CD —	1000±5	<0.2	≤10	—
90	Roofing tissue	—	—	Binder: 20	MD ≥280 / ≥400 CD ≥200 / ≥250	—	—	—	—
95	Roofing tissue	—	—	Binder: 24	MD ≥450 CD ≥260	—	—	—	—
105±5	PCB tissue	—	—	Binder: 11±2	MD >225 CD >150	1265	—	—	—

Weight (g/m ²)	Form / process	Glass	Gauge (mm)	Binder / LOI (%)	Tensile load MD / CD N/50mm	Width (mm)	Moisture (%)	Wet-outs	Permeability m ³ /m ² ·s
120	Roofing tissue	—	—	Binder: 24	MD ≥480 CD ≥280	—	—	—	—

Needle-punched glass mats



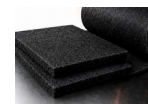
Weight (g/m ²)	Thickness (mm)	Width (mm)	Length (m)
800	6	1000-2000	—
900	6	1000-2000	30
1200	8	1000-2000	20
1400	10	1000-2000	—
1500	10	1000-2000	20
1800	12	1000-2000	15
2000	12	1000-2000	—
2250	15	1000-2000	15
4500	25	1000-2000	—

Silica needle mats



Weight (g/m ²)	Thickness (mm)	Width (mm)
520	4	1000-2000
1040	8	1000-2000
1300	10	1000-2000
1560	12	1000-2000
2700	18	1000-2000

Oxidized PAN felt



Weight (g/m ²)	Material	Thickness (mm)	Width (mm)
400±35	100% pre-oxidised PAN	3.5±0.4	—

PP spunbond nonwovens



Weight (g/m ²)	Thickness (mm)	Width (mm)	Surface	Colours
10	0.1	2100	Plain	White
12	0.1	2100	Plain	White
14	0.1	2100	Plain	White

Weight (g/m ²)	Thickness (mm)	Width (mm)	Surface	Colours
16	0.1	2100	Plain	White
17	0.2	2100	Plain	White/UV
20	0.29	1050	Plain	White
25	0.31	2100	Plain	White/Blue/Black
30	0.31	2100	Plain	White
40	0.42	2100	Plain	White/Black
50	0.44	195/2100	Plain	White/Black/Red/Green/Denim/Blue/Yellow/Pink/Purple
60	0.46	1050/1100/900/2100	Plain	White/Black/Red/Emerald Green
70	0.46	2100/1600	Plain	White/Black/Brown/Grey/Beige
70	0.75	2100	Embossed	Black/Brown/Grey/Beige
80	0.46	2100/1600	Plain	White/Black/Brown/Grey/Red/Pink/Beige
80	0.8	2100	Embossed	Black/Brown/Grey
85	0.51	1050/1100/2100	Plain	Emerald Green
90	0.52	2100/1600	Plain	White/Black/Brown/Grey
100	0.52	2100/2000	Plain	Black/Brown/Grey
100	0.85	2100/2000	Embossed	Black/Brown/Grey
120	0.55	2100/1600	Plain	Black/Brown/Grey
150	0.7	2100/1900	Plain	Black/Brown
150	1	2100/1900	Embossed	Black/Brown

Meltblown & absorbent nonwovens



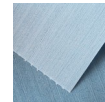
Weight (g/m ²)	Construction / fibre	Width (mm)	Surface / form
24-30	PP meltblown	175	White
30-50 / 30-40	PP meltblown	200-260	White
30-120	PP meltblown	1600	Perforated roll / Sheet
40-50	PP meltblown	200-260	White / Black
40	PP meltblown	200-260	Single layer
50	PP meltblown	200-260	Double layer
100-500	SS + Meltblown + SS	1600	White / Grey / Yellow / Blue

PET needle-punched nonwovens



Weight (g/m ²)	Construction / fibre	Width (mm)	Surface / form
50-1000	PET needle-punched	100-1600	Needled web
80-800	PET anti-condensation	—	Grey needled web
100-800	PET automotive interior	—	Needled web

Spunlace nonwovens



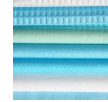
Weight (g/m ²)	Construction / fibre	Width (mm)	Surface / form	Web formation	Fibre options
26-70	—	3000-3200	—	Parallel	Viscose / Lyocell / PET / ES / Cotton / Bamboo
30-120	PET 30-70% + Pulp 70-30%	120-3200	Wiping web	—	—
30-120	PP 20-30% + Pulp 80-70%	120-3200	Wiping web	—	—
30-100	Cotton 100%	25-2200	Spunlace	—	—
35-120	Viscose / PET	100-3100	Plain / Mesh / Embossed	—	—
35-80	Bamboo 100%	<2100	Plain / Pearl / Mesh / EF / Crisscross	—	—
35-180	Charcoal viscose	<2100	Plain / Pearl / Mesh / Crisscross / Diamond	—	—
35-100	—	3000-3300	—	Parallel	Viscose / Lyocell / PET / ES / Cotton / Bamboo
40-120 / 40-110	Viscose / PET	120-3200 / 100-3300	Wiping web	—	—
40-120	—	3000-3200	—	Cross-lapped	Viscose / Lyocell / PET / ES / Cotton / Bamboo
40-90	—	3000-3300	—	Wetlaid pulp	Short viscose / Lyocell + Pulp
60-230	Nylon : PET = 30 : 70	1500-1700	Spunlace	—	—
60-230	Nylon : PET = 50 : 50	1500-1700	Spunlace	—	—

PLA nonwovens



Weight (g/m ²)	Construction / fibre	Width (mm)	Surface / form
20-200	PLA spunbond	10-3200	Grid / Coloured
25-40	PLA meltblown	1600	White

Layered & film-laminated nonwovens



Weight (g/m ²)	Construction / fibre	Width (mm)	Surface / form
15-180	PP + PE, ES fibre	25-3200	Bicomponent
15-180	PET + PE, ET fibre	25-3200	Bicomponent
20-300	PP + PE	25-3200	PE laminate
20-300	SMS + PE	25-3200	PE laminate
20-300	Spunlace + PE	25-3200	PE laminate
20-300	PET + PE	25-3200	PE laminate
20-300	Paper + PE	25-3200	PE laminate
20-300	Impregnated viscose + PE	25-3200	PE laminate
20-300	Needle-punched + PE	25-3200	PE laminate
30-100	PP + PET	3200	2 / 3 layers
30-300	SMS / SS + Microporous film	≤3200	Laminated web
30-100	PP + Elastic film	3200	Elastic
40-60	PP + PE, air-through	3200	Air-through bonded
40-100	PP + Elastic powder	3200	Elastic
50-120	PP + PE, SFS	3200	Sesame / Grid
65	PP + PE / PP + PE + PET	3200	Composite web
85	PP + PE / PP + PE + PET	3200	Composite web
115	PP + PE / PP + PE + PET	3200	Composite web
120	PP + PE / PP + PE + PET	3200	Composite web

BOPP printing & laminating films



Polymer	Gauge (μm)	Surface / construction	Processing / application
BOPP	12-50	Gloss	Printing / lamination
BOPP	12-30	Matte	Printing / paper lamination / foil / UV
BOPP	15-50	Single / double-side heat seal	Packaging; single corona

BOPP functional & coated films



Polymer	Product form	Functional specification	Processing / application
BOPP	Low-SIT one / two-side heat seal	SIT 95°C / 105°C	High-speed packaging
BOPP	Anti-fog heat seal	Seal strength 6-8 N	Produce packaging
BOPP	Long-duration anti-fog	SIT 95°C / 105°C	Produce packaging
BOPP	Soft-touch coating	60° gloss < 1%; COF > 0.6	Luxury printing / lamination
BOPP	Transparent UV-inkjet label	48μm base film	UV-inkjet coating / label printing

Solid-white BOPP & decorative films



Gauge (μm)	Base polymer	Mass (g/m²)	Density (kg/m³)	Construction / finish	Opacity (%)	Surface tension (mN/m)	Gloss (%)	Tensile (MPa)
60	BOPP (PP)	52.8	880	Solid white; gloss/matte	81	≥39	Gloss 80 Matte 7	MD 90 TD 200
80	BOPP (PP)	70.4	880	Solid white; gloss/matte	87	≥39	Gloss 85 Matte 5.5	MD 105 TD 220
77-83	BOPP (PP)	73-87	—	PP decorative printing base	—	—	—	—

White-label & cavitated BOPP films



Gauge (μm)	Base polymer	Mass (g/m²)	Density (kg/m³)	Construction / finish	Opacity (%)	Surface tension (mN/m)	Gloss (%)	Tensile (MPa)
60	BOPP (PP)	42 (calc.)	700	Voided white; gloss/matte	—	—	—	—
80	BOPP (PP)	60.0	750	Voided white; gloss/matte	90	≥39	Gloss 108 Matte 6	MD 85 TD 180
88	BOPP (PP)	65.12 (calc.)	740	Voided white; gloss/gloss	—	—	—	—
60±5%	BOPP (PP)	46.2 (calc.)	770±20	White; matte/gloss	85±3	≥38	Matte ≤60	—
80±5%	BOPP (PP)	61.6 (calc.)	770±20	White; matte/gloss	≥83	≥38	Matte ≤60	—

Pearlized BOPP & label films



Polymer	Gauge (μm)	Surface / construction	Processing / application
BOPP	22-70	Pearlized	Printed / laminated packaging
BOPP	32 /45	Matte / pearl finish	Decoration / packaging
BOPP	38	Pearlized wrap label	Beverage wrap-around labels

BOPP synthetic papers & thick label films



Polymer	Gauge (μm)	Density (kg/m ³)	Surface / form	Application
BOPP	50-200	550-800	Gloss / gloss	Book cover / lamination
BOPP	50-200	550-800	Single / double matte	Labels / liners
BOPP	65-200	550-800	Self-adhesive label face film	Cosmetics / warning labels

PET base & functional films



Polymer	Gauge (μm)	Surface / construction	Processing / application
PET	8-150	Clear; corona options	Print / metallization / lamination
PET	15-30	Single / double matte	Printing / lamination
PET	12-50	Heat sealable	Printable heat-seal packaging
PET	19-33	Twist retention	Twist-wrap packaging
PET	12	Acrylic / copolyester / PU treatment	Printing / metallization bonding
PET	12	Easy tear; clear / matte	MD / TD tearable packaging

CPP & BOPE films



Polymer	Gauge (μm)	Surface / construction	Processing / application
CPP	20-100	Clear	Packaging / lamination
CPP	20-100	Single / double matte	Packaging / lamination
CPP	80±5	Base film	Width1090(-0/+5)mm; density920kg/m ³
BOPE	20-40	Biaxially oriented PE	Food / daily chemical lamination

Metallized PET, BOPP & CPP films



Polymer	Gauge (µm)	Surface / construction	Application
PET	8-50	Vacuum-metallized	Packaging / reflective lamination
PET	15-30	Matte; vacuum-metallized	Packaging / insulation
PET	8-50	High-barrier metallized	Industrial packaging
PET	12	Chemical treated; metallized	Laminate bonding
PET	19-33	Twist; metallized	Twist packaging
BOPP	25-50	Metallized / pearlized	Frozen packaging
BOPP	15-30	Metallized; corona or heat-seal options	Industrial packaging
CPP	20-40	Vacuum-metallized	Barrier packaging

PET release films

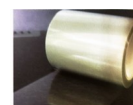


Gauge (µm)	Base polymer	Coating / finish	Width (mm)	Release force (gf/25mm)	Residual adhesion (%)	Tensile (MPa)	Elongation (%)
12-250	PET	Silicone; clear	—	0.98-590.55	>85	MD 210 TD 150	MD 140 TD 120
23-100	PET	Ultra-clear	—	0.98-590.55	>92	MD 210 TD 230	MD 140 TD 120
23-100	PET	Matte	—	0.98-590.55	>92	MD 210 TD 230	MD 140 TD 120
23-250	PET	Coloured	—	0.98-590.55	>92	MD 210 TD 230	MD 140 TD 120
25-100	PET	Fluorosilicone	—	0.98-98.43	>92	MD 210 TD 230	MD 140 TD 120
19-125	PET	Release-agent coated	—	295.28-590.55	—	MD 210 TD 230	MD 140 TD 120
50-180	PET	Embossed	—	4.92-590.55	>92	MD 210 TD 230	MD 140 TD 120
6 /12	PET	Silicone; anti-static / non-silicone / fluorosilicone options	≤2300	1-1000 (range)	70-95	—	—
23 /25	PET	Silicone; anti-static / non-silicone / fluorosilicone options	≤2300	1-1000 (range)	70-95	—	—
50 /75 /100	PET	Silicone; anti-static / non-silicone / fluorosilicone options	≤2300	1-1000 (range)	70-95	—	—
125 /150 /188	PET	Silicone; anti-static / non-silicone / fluorosilicone options	≤2300	1-1000 (range)	70-95	—	—

Detailed PET release-film specifications

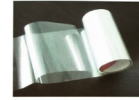
Gauge (µm)	Base polymer	Coating / finish	Width (mm)	Release force (gf/25mm)	Residual adhesion (%)	Tensile (MPa)	Elongation (%)
25±2	PET	Matte; anti-static	1080(-0/+5)	3-5	≥80	MD >60 TD >60	—
36±2	PET	Red; anti-static	1090(-0/+5)	25-35	≥80	MD >120 TD >120	—
50±2	PET	Clear; single-side; anti-static option	1090(-0/+5)	1-3	≥80	MD >150 TD >140	—
50±2	PET	Blue; single-side	1090(-0/+5)	10-20	≥85	MD >150 TD >140	—
50±2	PET	Silicone-free; anti-static	1090(-0/+5)	20-40	≥85	MD >150 TD >140	—
50±2	PET	Clear; double-side	1200(-0/+5)	A 10-20 B 20-40	≥85	MD >150 TD >140	—
50±5	PET	Fluorosilicone; clear	1040±5	5-8	≥85	—	—
75±2	PET	Green; single-side	1090(-0/+5)	1-5	≥70	MD >160 TD >160	—

PE & HDPE release films



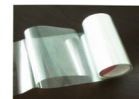
Gauge (µm)	Base polymer	Coating / finish	Width (mm)	Release force (gf/25mm)	Residual adhesion (%)	Tensile (MPa)	Elongation (%)
30-70	PE	grey/black or black/white	20-2000	≤20	≥75	—	≥150
30-150	HDPE	single / double-side	20-2100	5-15	≥75	≥20	≥200
60-150	HDPE	single / double-side	20-1200	4-8 /15-25	≥85	≥18	≥150
40±5	HDPE	F901	—	4.92-19.69	≥75	—	≥200
30±5	PE	white; single-side	1030(-0/+5)	5-10	≥80	MD >10 TD >10	—
120±8	PE	blue; double-side	1200(-0/+5)	A 5-10 B 20-30	≥85	MD >15 TD >15	—
120±8	PE	red; double-side	1200(-0/+5)	A 5-10 B 40-60	≥85	MD >15 TD >15	—
60±8	HDPE	embossed; single silicone	300±3	2	>85	MD >9.81 TD >9.81	MD >600 TD >400
80±8	HDPE	embossed; double silicone	300±3	Concave4 Convex15	>85	MD >9.81 TD >9.81	MD >600 TD >400

PP, CPP & MOPP release films



Gauge (µm)	Base polymer	Coating / finish	Width (mm)	Release force (gf/25mm)	Residual adhesion (%)	Tensile (MPa)	Elongation (%)
40-70	PP	HBf release coating	900-1200	≤9.84	≥90	—	≥150
60-100	MOPP	single / double silicone	20-1200	4-8 / 10-15 / 20-30	≥85	MD ≥300	≤50
30±2	PP	white; single-side	1030(-0/+5)	1-5	≥80	MD >10 TD >20	—
80±5	CPP	clear; double-side	1090(-0/+5)	A 10-20 B 20-40	≥85	—	>200

Protective & MOPP base films



Polymer	Gauge (µm)	Width (mm)	Surface / treatment	Colour	Adhesion (gf/25mm)	Tensile (MPa)
HDPE	50±5	1240(-0/+5)	Acrylic adhesive	Clear	0.33-1.67	MD >15 TD >10
HDPE	85±5	1250	Modified acrylic adhesive	Blue	166.67-300	—
MOPP	85±2	1200(-0/+5)	Base film; single / double corona	Sky blue	—	MD ≥280

Cross-laminated HDPE films



Surface	Base polymer	Gauge (µm)	Width (mm)	Core ID (mm)	Tensile (MPa)	Break elongation (%)	Nail tear N
Anti-slip	HDPE (PE)	90-265	900-1200	76	≥50	≥250	≥60
Smooth	HDPE (PE)	90-265	900-1200	76	≥30	≥250	≥110

Glassine, kraft & CCK release papers



Paper weight (g/m²)	Paper base	Thickness range (mm)	Width (mm)	Colours	Residual adhesion (%)
35	Glassine	—	—	White / Blue / Honey	—
60	Glassine	0.06-0.15	30-1090	White / Blue / Honey	≥90
65	Glassine	0.06-0.15	30-1090	White	≥90
70	Glassine	—	—	White / Blue / Honey	—
76	Glassine	0.06-0.15	30-1090	White	≥90
80	Glassine	0.06-0.15	30-1090	White / Blue / Honey	≥90
90	Glassine	0.06-0.15	30-1090	White / Blue / Honey	≥90

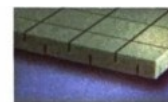
Paper weight (g/m²)	Paper base	Thickness range (mm)	Width (mm)	Colours	Residual adhesion (%)
100	Glassine	—	—	White / Blue / Honey	—
100	CCK (kaolin coated)	—	—	—	—
120	Glassine	0.06-0.15	30-1090	White / Blue / Honey	≥90
120	CCK (kaolin coated)	—	—	—	—
140	Glassine	0.06-0.15	30-1090	White	≥90

Aramid & PP honeycomb cores



Material	Cell (mm)	Density (kg/m ³)	Comp. strength (MPa)	Shear L / W (MPa)	Shear modulus L / W (MPa)	Max sheet (mm)
Meta-aramid	3.2	32	0.64	0.68 / 0.41	—	—
Para-aramid	3.2	40	1.38	1.11 / 0.62	85 / 39	—
Meta-aramid	3.2	48	1.93 / 2.05	1.1 / 0.7 / 1.36 / 0.75	58 / 32	—
Para-aramid	3.2	48	2.05	1.45 / 0.8	124 / 55	—
Meta-aramid	3.2	64	3.2	1.6 / 0.97	—	—
Meta-aramid	3.2	80	4.2 / 5.26	1.8 / 1.08 / 2.62 / 1.48	92 / 61	—
Meta-aramid	3.2	144	15.04	3.52 / 2.35	138 / 106	—
Meta-aramid	4.8	32	0.7	0.62 / 0.37	—	—
Para-aramid	4.8	40	1.31	1.11 / 0.59	92 / 34	—
Meta-aramid	4.8	48	1.95	1.12 / 0.65	—	—
Para-aramid	4.8	48	2.1	1.48 / 0.84	121 / 64	—
Meta-aramid	4.8	64	3.4	1.62 / 0.91	—	—
Meta-aramid	6.4	48	2.35	1.18 / 0.69	—	—
PP	8	56-80	2.3	0.5	—	3000 × 1500
PP	12	60-70	2.0	0.5	—	3000 × 1500

PVC foam cores



Nominal (kg/m ³)	Density (kg/m ³)	Thickness (mm)	Comp. strength avg/min (MPa)
80	72-92	3-68	1.45 / 1.10
100	90-115	3-60	2.00 / 1.70
60	54-69	5-70	0.90 / 0.75
130	120-150	5-50	3.00 / 2.60

PET foam cores



Structure	Nominal (kg/m ³)	Density (kg/m ³)	Comp. strength avg/min (MPa)	Comp. modulus avg/min (MPa)	Sheet (mm)	Thickness (mm)
FR PET	65	60-70	0.8 / 0.7	—	1220 × 2440	5-100
Extruded PET	100	99-109	1.2 / 0.9	105 / 90	1005 × 2440	5-45
FR PET	110	105-115	1.4 / 1.2	—	1220 × 2440	5-100
FR PET	145	140-150	2.2 / 2.0	—	1220 × 2440	5-100
FR PET	210	200-220	3.8 / 3.2	—	1220 × 2440	5-100
Welded PET	—	60-78	0.85 / 0.75	—	1220 × 2440	5-100
Welded PET	—	80-90	1.3 / 1.1	—	1220 × 2440	5-100

Structure	Nominal (kg/m ³)	Density (kg/m ³)	Comp. strength avg/min (MPa)	Comp. modulus avg/min (MPa)	Sheet (mm)	Thickness (mm)
Welded PET	—	95-105	1.75 / 1.4	—	1220 × 2440	5-100
Welded PET	—	127-142	2.35 / 2.3	—	1220 × 2440	5-100
Welded PET	—	143-155	2.6 / 2.3	—	1220 × 2440	5-100
Welded PET	—	200-220	3.8 / 3.2	—	1220 × 2440	5-100
Welded PET	—	260-295	6.2 / —	—	1220 × 2440	5-100

Balsa end-grain cores



Density (kg/m ³)	Sheet (mm)	Rigid thickness (mm)	Contour thickness (mm)	Comp. strength (MPa)	Comp. modulus (MPa)	Shear (MPa)	Shear modulus (MPa)	Thermal W/m-K
109	610 × 1220	3.5-90	3.5-63.5	5.5	1610	1.8	136	0.048
132	610 × 1220	3.5-90	3.5-63.5	7.7	2187	2.3	166	0.059
148	610 × 1220	3.5-90	3.5-63.5	9.2	2526	2.6	187	0.066
285	610 × 1220	5-75	3.5-45	22	4428	5.2	362	0.084

Glass / PP composite sheets



Weight g/m ² (calc.)	Resin	Glass content (%)	Thickness (mm)	Density (kg/m ³)	Tensile (MPa)	Flexural (MPa)	HDT (°C)
225-750	PP	≥60	0.15-0.5	1500±200	≥750	≥300	≥150
750-15000	PP	≥60	0.5-10	1500±200	≥450	≥340	≥150

WKDT

**Materials for the product.
Specifications for the process.**

Industrial materials and custom components

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