

WKDT

Reinforcement fabrics & mats

Product forms and specifications for material selection.

Technical catalogue
English edition / October 2026

Product forms, material composition and specification tables.

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

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

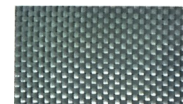
Weight (g/m ²)	Glass type	Yarn process	Weave	Yarn size (tex)	Thread count (ends/cm)	Gauge (mm)	Tensile load (N/50mm)	Width (mm)	Reference style no.
160±12	E-glass	Filament	Plain / Twill	Warp 66 Weft 66	Warp 12±1 Weft 12±1	—	Warp ≥1400 Weft ≥1300	—	—
160	E-glass	Filament	Plain / Twill	Warp 45 Weft 45	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

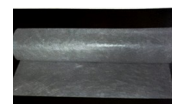
Glass multiaxial & UD fabrics



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

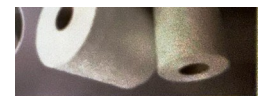
Chopped strand mat



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

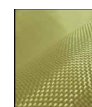
Woven layer (g/m ²)	Chopped layer (g/m ²)	Stitch yarn (g/m ²)	Finished mass (g/m ²)	Width (mm)
600	275	—	875	20-3300
612	274.64	9.5	896.14	≤2794
612	305.15	9.5	926.65	≤2794
600	450	—	1050	20-3300
800	275	—	1075	20-3300

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



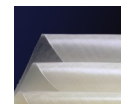
Weight (g/m ²)	Thickness (mm)	Tensile (MPa)	Modulus GPa	Elongation (%)	Width (mm)	Length (m)
200	0.100	≥2100	≥100	≥2.6	500	100
300	0.115	≥2100	≥100	≥2.6	500	100
360	0.138	≥2100	≥100	≥2.6	500	100
380	0.146	≥2100	≥100	≥2.6	500	100
450	0.360	≥2100	≥100	≥2.6	500	100
650	0.550	≥2100	≥100	≥2.6	500	100

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

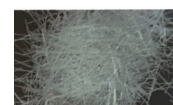
UHMWPE woven, UD & knitted fabrics



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	—	—	—	—	—