

WKDT

Vacuum bagging & infusion materials

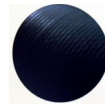
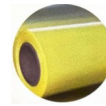
Product forms and specifications for material selection.

Technical catalogue
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Product forms, material composition and specification tables.

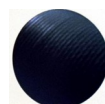
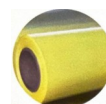
For grade selection, samples and current specifications, contact inquiry@weikongda.com.

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



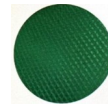
Mass (g/m²)	Fibre	Thickness (mm)	Width (mm)	Max. temperature (°C)	Weave
62	PA66	0.106	1520	200	Tight weave
85±5%	PA66	0.10-0.15 / 0.11-0.15	100-1800	230	Plain
85±5%	PET	0.10-0.15	100-1800	220	Plain
85	PET	0.110	1800	180	—
90±5%	PA6	0.10-0.15	100-1800	230	Plain
95±5%	PET	0.12-0.15	100-1800	220	Plain
105±5%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



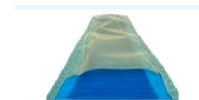
Form	Connection dimension	Size (mm)	Max. use temperature °C
Infusion block	ID	16	—
Infusion block	ID	35	—
L-connector	OD	12	—
L-connector	OD	18	—
T-connector	OD	10	≤120
T-connector	OD	12	≤120
T-connector	OD	18	≤120
Infusion valve	OD	10	—
Infusion valve	OD	12	—
Infusion valve	OD	18	—
Infusion valve	OD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