



FABRIC MATERIAL LIST

Code	Description of materials			Thickness	Heat resistance		Roll-up Covers			Thermic welded flat covers	Sewn round bellows		Heat-formed round bellows			Special covers
	Visible side	Fabric insert	Hidden side		Momentary contact °C	Continuous °C	Material suitable for cover without canister	Material suitable for cover with canister	Min winding diameter mm		Suitable material	Suitable material	Thickness of 1 fold (SP) mm	Suitable material	Thickness of 1 fold (SP) mm	
TEMAT001	Neoprene*	Polyamide	Neoprene*	0,3	250	-20 +120	✓	✓	20		✓	1	✓	1,5	no	
TEMAT002	Neoprene*	Polyester	Hypalon*	0,5	250	-20 +120					✓	1,5	✓	2,5	5	
TEMAT202	Neoprene*	Polyester	Neoprene*	0,5	250	-20 +120	✓	✓	20		✓	1,5	✓	2,5	5	
TEMAT003	Neoprene*	Polyester	Hypalon*	0,6	250	-20 +120					✓	1,8	✓	3	5,5	
TEMAT004	Neoprene*	Polyester	Hypalon*	0,8	250	-20 +120	✓	✓	20		✓	2,4	✓	4	6,5	
TEMAT005	Neoprene*	Polyester	Hypalon*	1,0	250	-20 +120	✓	✓	20		✓	3				
TEMAT006	Neoprene*	Polyester	Hypalon*	1,2	250	-20 +120	✓	✓	50		✓	3,5				
TEMAT007	Neoprene*	Kevlar*	Hypalon*	1,15	350	-20 +120	✓	✓	50		✓	3,5				
TEMAT081	White PVC	Polyester	White PVC	0,5	200	-30 +70	✓	✓	20		✓	1,5				
TEMAT009	Silicon	Fiberglass	Neoprene*	0,5	350	-60 +250	✓	✓	20		✓	1,5	✓	5	10	
TEMAT091	PVC	Fiberglass	PVC	0,44	300	-30 +80	✓	✓	20							
TEMAT102	PTFE	Fiberglass	PTFE	0,250	320	-200 +260	✓	✓	20							
TEMAT104	PTFE	Fiberglass	PTFE	0,7	320	-200 +260	✓	✓	70							
TEMAT106	PTFE	Polyester	Polyurethane	0,32	200	-30 +120	✓	✓	20	✓						
TEMAT011	Aluminium-carbon fabric			0,7	2500	-100 +260	✓	✓	20		✓	2,1				
TEMAT012	AISI 301 Stainless steel			0,2	1200	-250 +400	✓	✓	70							
TEMAT013	AISI 301 Stainless steel			0,3	1200	-250 +400	✓	✓	90							
TEMAT014	AISI 301 Stainless steel			0,4	1200	-250 +400		✓	150							
TEMAT015	Polyurethane	Polyester	Polyurethane	0,25	200	-30 +90	✓	✓	20	✓						
TEMAT151	Polyurethane	Polyester	Polyurethane	0,35	200	-30 +90	✓	✓	20	✓						
TEMAT152	Polyurethane	Polyester	Polyurethane	0,8	200	-30 +90	✓	✓	20							
TEMAT154	Polyurethane	Polyester	Polyurethane	0,9	130	-30 +90										✓
TEMAT153	Polyurethane	-	-	0,5	200	-30 +70				✓						
TEMAT159	White Polyurethane	Polyester	White Polyurethane	0,7	120	-30 +100	✓	✓	20							
TEMAT160	Grey Polyurethane	Polyester	Fabric	1,4	200	-30 +90	✓	✓	70							
TEMAT161	Polyurethane	Polyester	Fabric	0,8	200	-30 +90	✓	✓	20		✓	2,5				
TEMAT162	Polyurethane	Polyester	Fabric	1,4	200	-30 +90	✓	✓	70							
TEMAT164	Polyurethane	Kevlar*	Polyurethane	0,35	350	-30 +180	✓	✓	20	✓	✓	1,5				
TEMAT165	Polyurethane	Nomex*	Polyurethane	0,36	300	-30 +130	✓	✓	20	✓						
TEMAT169	Polyurethane	Panox*/Kevlar*	Polyurethane	0,33	300	-30 +130	✓	✓	20	✓						
TEMAT170	Polyurethane	Polyester	Fabric	1,6	200	-30 +90	✓	✓	70							
TEMAT180	CPT**	Polyester	-	1,8	1200	-30 +90	✓	✓	70							
TEMAT181	CPT**	Polyester	-	0,9	1200	-30 +90	✓	✓	20							
TEMAT017	PVC	Polyester	PVC	0,36	100	-30 +70	✓	✓	20	✓						
TEMAT018	PVC	Polyester	PVC	0,7	100	-30 +70	✓	✓	20		✓	2,1	✓	3,5	6	
TEMAT019	PVC	Polyester	PVC	0,5	100	-30 +70	✓	✓	20		✓	1,5	✓	2,5	5	
TEMAT020	PVC	Polyester	PVC	0,25	100	-30 +70	✓	✓	20	✓						
TEMAT022	PVC	Polyester Net	PVC	1,4	100	-30 +70	✓	✓	40							

* Neoprene, Hypalon, Kevlar, Panox and Nomex are registered Dupont trademarks.

- ** Ceramic Polymer Technology.



Code	Primary resistance characteristics
TEMAT001	Resists water, oil, coolant, diluted acids, petroleum products, atmospheric agents and ozone. Fair shear strength and abrasion resistance.
TEMAT002	Resists water, oil, coolant, diluted acids, petroleum products, atmospheric agents and ozone. Good shear strength and abrasion resistance. Hypalon is especially resistant to sea water.
TEMAT202	
TEMAT003	
TEMAT004	
TEMAT005	
TEMAT006	
TEMAT007	Same characteristics as above (from 001 to 006). Kevlar has excellent shear strength. Normally used when there is heavy mechanical stress, heavy concentration of sharp shavings, and high temperatures.
TEMAT081	It is used in the food industry since appropriate for use around oil, grease, blood, etc... Also suitable for resisting small splashes of cooling lubricant and in presence of acids. FDA approved.
TEMAT009	Especially suited to high and low temperatures. Fiberglass has strong temperature resistance, but poor mechanical strength. Silicone is an excellent anti-adhesive and resists chlorides, solvents, UV rays and ozone.
TEMAT091	Fabric appropriate for use around small weld splatter. Also suitable for use around acids. Self-extinguishing.
TEMAT102	Work areas with heavy concentration of acids. Highly anti-adhesive surface. Low friction coefficient. Chemically inert. Resists formation of mold and fungus. Non-toxic. Highly limited thermal expansion. Transparent to microwaves and UV rays. Teflon is suitable for all acids except SODIUM-POTASSIUM-FLUORIDE at temperatures beginning at 150°C.
TEMAT104	Excellent resistance to oils and chemical products. No adhesive surface. Low friction coefficient. Excellent chemical inertia. Excellent resistance to abrasion and bending resistance. Mainly used in grinding machines.
TEMAT106	
TEMAT011	Self-extinguishing by nature. Carbon fibers resist up to 2500°C for short periods. Excellent mechanical strength. The aluminum-coating reflects radiant heat. Resists heavy weld splatter and molten metal; mainly used in foundries.
TEMAT012	Used for harsh working environments with heavy concentrations of sharp shavings and high temperatures. Excellent resistance to acids.
TEMAT013	
TEMAT014	
TEMAT015	Good resistance to petroleum products, oils and heavy abrasion. Excellent bending strength.
TEMAT151	
TEMAT152	Excellent resistance to petrol based products, oils and strong abrasion. The textile insert is made of a special fabric with high rigidity in the diagonal weave and an aesthetically pleasing appearance. It is normally used in environments where there are large quantities of chips. Translucent and anti-static.
TEMAT154	
TEMAT153	Good resistance to petroleum products, oils and fair abrasion resistance. Used for manufacturing thermic-welded round bellows.
TEMAT159	It is used in the food industry since appropriate for use around oil, grease, blood, etc... FDA approved. Excellent resistance to petroleum products, oils and heavy abrasion. Excellent bending resistance.
TEMAT160	Good resistance to petroleum products, oils and heavy abrasion. The two-ply fabric insert gives high transverse rigidity and attractive appearance. Normally used around large quantities of shavings. Not suitable for dry use with hot shavings. Antistatic.
TEMAT161	Good resistance to petroleum products, oils and heavy abrasion. Good transverse rigidity. Normally used around medium quantities of shavings. Not suitable for dry use with hot shavings.
TEMAT162	Good resistance to petroleum products, oils and heavy abrasion. The two-ply fabric insert gives high transverse rigidity and attractive appearance. Normally used around large quantities of shavings. Not suitable for dry use with hot shavings. Antistatic.
TEMAT164	Good resistance to petroleum products, oils and heavy abrasion. Excellent bending strength. Excellent mechanical strength; Kevlar has excellent shear strength. Normally used when there is heavy concentration of sharp shavings, and high temperatures. Self-extinguishing
TEMAT165	Good resistance to petroleum products, oils and heavy abrasion. Excellent bending strength. Excellent mechanical strength. Good resistance to small weld splatter or hot material. Widely used in laser cutting machines. Self-extinguishing.
TEMAT169	Excellent resistance to petroleum products, oils and heavy abrasion; excellent mechanical strength and bending strength. Good resistance to small weld splatter or hot material; at present considered the best commercial material to be used in laser cutting machines. Self-extinguishing.
TEMAT170	Excellent resistance to petroleum products, oils and heavy abrasion. The two-ply fabric insert gives a very high transverse rigidity and an attractive appearance. Normally used around large quantities of shavings. We recommend the constant use of coolant.
TEMAT180	CERAMIX has an excellent abrasion resistance and excellent shear strength. CERAMIX shows excellent resistance to mineral oils and hot temperatures. The two-ply fabric insert gives an high transverse rigidity and a very attractive appearance. CERAMIX is used when large quantities of hot and shearing shavings are produced, in cases of high speed chip-removing in wet and dry work environments.
TEMAT181	CERAMIX LIGHT has an excellent abrasion resistance and excellent shear strength. The fabric insert is made by an ANTISTATIC material with good transverse rigidity and a very attractive appearance. CERAMIX LIGHT is normally used in case of hot and shearing shavings, or in high speed chip-removing dry or wet work environments.
TEMAT017	Mainly used around heavy ambient dust, small splatter of coolant and oil. Also appropriate for use around acids.
TEMAT018	
TEMAT019	
TEMAT020	
TEMAT022	This material consists of high-strength polyester netting with a grid of 20 x 20 mm. It is used for special applications. We can provide other types of nettings with different thickness and/or grid.