

CHEMFAB® Product Range

CHEMFAB® is Saint-Gobain Performance Plastic's extensive range of PTFE-coated woven glass fabrics for use in thermally extreme, chemically hostile and mechanically severe environments. Serving a wide variety of applications, the key advantages include -

- Excellent temperature range (-150°C to +260°C)
- Dimensional stability and flexibility
- High Dielectric/Insulation strength
- Resistance to most chemicals and solvents
- Superior non-stick properties
- Very Low Electrical Loss
- Exceptionally Low Friction
- Easy to clean

CHEMFAB® coated fabrics are used as release sheets, chemical barriers, insulation materials and process conveyor belts. The main series are as follows:

Series	Property	Characteristic
700	Primary	Excellent release performance in applications where frequent replacement is the norm.
100	Premium	High PTFE content, glossy with superior release and mechanical strength.
EHV	Dielectric	Smooth surface, superior dielectric and excellent mechanical strength.
200	Standard	The standard line, which provides excellent release properties & performance.
800	Economy	The value line, with low resin content which provides good release properties and performance.
400	Porous	Open structured giving a controlled porosity in curing and drying applications.
TRX	Tear Resistant	Strong and flexible fabrics with extra high crease and tear resistance
AS	Anti-Static	For applications requiring anti-static surfaces, the 100 and 700 series are available in conductive form.
TCK	Aramid	Higher strength, flex and steam resistance due to aramid fabric. Continuous use temperature up to 220°C.

CHEMFAB® PTFE Coated Fabrics

	Width(s) (mm)	Thickness (mm)	Weight (g/m ²)	Tensile Strength Warp x Fill (N/cm)	PTFE Content (%)	Other
PRIMARY SERIES						
700-3	1000, 1250, 1525, 2000	0.070	130	180 x 140	62	
700-5	1000, 1250, 1525, 2000*	0.120	250	290 x 260	58	*700-5 Premium at 2000 mm wide. Most Primary Series are available with anti-static properties – add 'AS' to item description.
700-5 G	1000, 1020, 1080, 1525	0.125	270	300 x 290	61	
700-6 G	1000, 1525	0.135	290	290 x 290	64	
700-6 GX	1010	0.140	300	310 x 260	65	
700-10	1000, 1525	0.225	470	520 x 410	57	
700-14	1000, 1525	0.315	630	660 x 510	54	
PREMIUM SERIES						
100-3	1000, 1525	0.075	155	180 x 140	68	
100-5	1000, 1525	0.130	270	300 x 270	61	Most Premium Series are available with anti-static properties - add 'AS' to item description
100-6	1000, 1525	0.150	315	310 x 300	67	
100-10	1000, 1525	0.255	540	450 x 390	63	
100-14	1000, 1525, 2000, 2600	0.340	720	600 x 580	58	
100-22	2000	0.450	820	700 x 500	50	
DIELECTRIC SERIES						
						Dielectric strength (kV)
EHV-3	1000	0.085	185	170 x 130	74	4.5
EHV-10 CF	1000, 1525, 2000, 2600	0.255	540	480 x 400	63	7.2
EHV-10 CF CC	1000, 1525, 2000	0.275	580	480 x 400	66	8.4
ECONOMY SERIES						
800-3	1000, 1020, 1250	0.070	125	180 x 120	61	
800-5	1000, 1525	0.105	220	330 x 330	52	
800-10	1000, 1525	0.205	420	450 x 400	52	
800-14	1000, 1525	0.295	585	720 x 500	50	
STANDARD SERIES						
200-2	1080	0.045	60	-	58	
200-5	1000, 1525, 2000	0.115	220	360 x 330	52	
200-10	1000, 1525	0.235	490	420 x 400	59	
200-10 EX	1000, 2000, 2600	0.235	500	540 x 500	60	
200-14 HCJ	1000, 1525, 2600	0.320	610	640 x 530	51	
POROUS SERIES						
						Porosity (m/s)
400-3M	1000, 1525, 2000	0.060	68	170 x 140	28	4.8
400-5	1000, 1525	0.110	130	370 x 340	19	8.1
400-10	1000, 1525	0.195	240	380 x 300	17	8.1
400-10 EXL	1000, 1525, 2000	0.200	288	410 x 350	31	4.9
400-14	1000, 1525, 2000	0.320	360	610 x 540	17	9.8
TEAR & CREASE RESISTANT SERIES						
						Tear Strength (N)
100-3 TRX	1000	0.075	145	190 x 100	66	25 x 15
100-5 TRX	1000, 1525	0.125	260	320 x 310	60	40 x 40
100-6 TRX	1000, 1525	0.140	300	330 x 270	65	38 x 38
100-10 TRX	1000, 1525	0.245	500	520 x 500	59	85 x 80
FUSE PRESSING SERIES						
						Surface Resistivity (Ω/Square)
200-10 EX AS	1525, 2000, 2600	0.255	560	500 x 400	64	<1 x 10 ⁶
100-10 AS FP	1000, 1525, 2000, 2600	0.250	540	500 x 440	63	<1 x 10 ⁶
100-14 AS HCJ	1000, 1525, 2000, 2600	0.345	700	600 x 500	57	<1 x 10 ⁹
100-14 AS FPT	1000, 1525	0.340	730	670 X 580	59	<1 x 10 ⁹
TCK						
TCK 100-5	1250	0.125	220	260 x 340	74	
TCK 100-6	1250	0.170	260	400 x 400	71	
TCK 100-10	1250	0.300	380	910 x 870	55	
TCK 100-17	1800, 2800	0.410	650	860 x 1000	60	
MISCELLANEOUS						
100-10 Black	650, 1000, 1200, 1350	0.260	560	490 x 380	64	Food grade
700-5 Green	1000	0.120	250	290 x 260	58	Food grade
700-5 Gold	1270	0.120	250	290 x 260	58	Food grade
600-8	1000	0.205	305	390 x 310	34	One Side coated
8920 GW	1650	0.660	730	850 x 670	42	Grinding Wheel