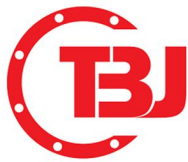


Glass Filled PTFE Sheet



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MS ISO/IEC 17021:2011
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ISO 9001 : 2015

- Glass filled PTFE sheet provides enhanced resistance to creep and wear in comparison to Virgin PTFE.
- It is manufactured with a 25% glass fibre filler that improves the dimensional stability of the polymer and helps to slightly reduce deformation under load.
- Glass filled PTFE also provides outstanding resistance to chemicals, with the exception of hydrofluoric acid and some alkali metals, and is an excellent electrical insulator.

● **General Properties**

- Excellent Chemical Resistance
- Excellent Dielectric Properties
- Resistance to Weathering
- Self-Lubricating
- Very Low Coefficient of Friction

● **Typical Applications**

- Chemical Processing Components
- Electrical Components
- Gaskets
- Pump & Valve Components
- Seals
- Valve Seats

● **Standard Thickness, Roll Size and Finish**

Standard Thickness	1.5mm, 2mm, 3mm, 4mm, 5mm, 6mm
Standard Roll Size	1200 x 1200mm
Standard Finish	Both Sides Smooth (SS)

* Note: Manufacturing tolerance of $\pm 10\%$ on thickness, $\pm 5\%$ on length & $\pm 2\%$ on width shall be applicable

Cut lengths, strips, custom shapes, surface finish and colours are available upon request

● **Technical Data** - Typical values for a thickness of 2.0 mm

	Test Method	Unit	Specified Value
Density	ASTM D792	g/cm ³	2,18- 2,26
Hardness - Shore D	ASTM D2240	/	≥ 60
Tensile Strength - CD*	ISO 527 v = 50mm/min microtensile die	N/mm ²	≥ 13
Elongation at Break - CD*	ISO 527 v = 50mm/min microtensile die	%	≥ 180
Compressive Strength at 1% Deformation - CD*	ASTM D695	N/mm ²	≥ 6,5
Deformation under Load at Room Temperature After 24 Hours at 13,7 N/mm ² - CD*	ASTM D621	%	≤ 14
Permanent Deformation Under Load After 24 Hours of Rest at Room Temperature - CD*	ASTM D621	%	≤ 8
Service Temperature (Min-Max)	/	°C	- 200 / + 260
Thermal Expansion Coefficient (Linear) 25 - 100°C	Similar to ASTM D696	10 ⁻⁵ (mm/mm)/°C	11 - 14
Dielectric Strength (Specimen 0,5 mm. Thick)	ASTM D149	KV/mm	≥ 15
Volume resistivity	ASTM D257	Ohm/cm	> 10 ⁻¹⁵
Surface resistivity	ASTM D257	Ohm	> 10 ⁻¹⁵

*CD = Cross Direction

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