

MATERIAL DATA SHEET

Grade FP25FG-MRN



Product Description

This product is non free flow compound containing Glass Fibber (25% by weight) and Maroon Pigment blended in PTFE Resin

Physical Properties

Property	Test Method	Units	Value
Bulk Density	ASTM D 4745	g/cc	
Specific Gravity	ASTM D 4745		2.18-2.23
Hardness	ASTM D 2240	Shore D	59-65
Tensile Strength	ASTM D 4745	Psi	2500
Elongation	ASTM D 4745	%	180-210
Diametrical Shrinkage	INTERNAL	%	
Recommended Moulding Pressure			300-350
Max. Sintering Temperature			370-375 ° C

Product Advantages:

Glass filled PTFE is used to improve the creep resistance over wide temperature range while still allowing some compression required in sealing in both gaskets and valves , It exhibits improved wear with little effect on electrical properties . Glass has exceptional resistance to water , However Glass filled PTFE must be avoided with the use of strong alkalise and Hydrofluoric Acid

Typical Applications:

- High Bearing applications against hard surfaces,
- Bearing Pads
- Piston Rings
- Valve Seats and plugs
- Gaskets

Delivery Process:

The material is sealed in two-layer plastic bag inside a rigid 30 kg drum. It is highly recommended to condition resin at 18°C for 10 hrs prior to processing to achieve optimal properties

Note: Technical Information, test data and advice provided by Fluoropolymer Blends are based on information and tests we believe to be reliable and are intended for persons with knowledge and technical skills enough to analyse test types and apply adequate safety factors for the given application. Because actual application conditions vary widely, these values are intended for comparative purposes only and the suitability of this material is ultimately left to the end user.

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