

MATERIAL DATA SHEET



Grade FP55BZ5M

Product Description

This product is non free flow compound containing Bronze Filler (55% by weight) and Molybdenum disulphide (5% by weight) blended in PTFE Resin

Physical Properties

Property	Test Method	Units	Value
Bulk Density	ASTM D 4745	g/cc	
Specific Gravity	ASTM D 4745		3.70-3.90
Hardness	ASTM D 2240	Shore D	62-66
Tensile Strength	ASTM D 4745	Psi	1500
Elongation	ASTM D 4745	%	100
Diametrical Shrinkage	INTERNAL	%	2.0-3.0
Recommended Moulding Pressure			300-350
Max. Sintering Temperature			360-365 ° C

Product Advantages:

Bronze / Moly Filled PTFE has excellent wear properties, Improved Thermal Conductivity and electrical conductivity and has reduced deformation under load .

Typical Applications:

- High Pressure Bearings,
- Support slides of heavy loads subject to several shocks
- Compressor Parts like Piston Rings and Rider Rings for bone dry applications
- Wear Resistant seals in air compressor applications

Delivery Process:

The material is sealed in two-layer plastic bag inside a rigid 40 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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