

MATERIAL DATA SHEET



Grade FP15GR

Product Description

This Compound is an non-free flow compound that contains Graphite Filler (15% 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		2.05-2.10
Hardness	ASTM D 2240	Shore D	59-65
Tensile Strength	ASTM D 4745	Psi	2200
Elongation	ASTM D 4745	%	180
Diametrical Shrinkage	INTERNAL	%	2-2.5
Recommended Moulding Pressure			300-350
Max. Sintering Temperature			370-375 °C

Product Advantages:

Graphite is a Crystalline modification of High pure Carbon. Its Flaky structure gives it great lubricity and decreased wear. Graphite filled PTFE has improved thermal and electrical conductivity and reduced deformation under load. Graphite is often combined with Carbon and Glass fillers

Typical Applications:

- Gaskets & Tapes
- Wear Resistant Mechanical Seals
- Compressor Piston Rings
- Valve Seats

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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