

# MATERIAL DATA SHEET

## Grade FP10PPS



### Product Description

This product is non free flow compound containing Polyphenylene Sulphide PPS Filler (10 % 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
Hardness	ASTM D 2240	Shore D	59-63
Tensile Strength	ASTM D 4745	Psi	2500
Elongation	ASTM D 4745	%	240
Diametrical Shrinkage	INTERNAL	%	2.5-3.5
Recommended Moulding Pressure			300-350
Max. Sintering Temperature			360-365 ° C

### Product Advantages:

PPS is the first polymeric material filled with PTFE . It has excellent deformation resistance and extrusion resistance. PPS Filled PTFE also has excellent wear and has very low coefficient of friction .

### Typical Applications:

- Bearing,
- Support slides of heavy loads subject to several shocks
- Compressor Parts like Piston Rings and Rider Rings for bone dry applications
- Dynamic 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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