

# MATERIAL DATA SHEET



## Grade FP50SS

### Product Description

This product is non free flow compound containing SS 316L Filler (50 % 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		3.35
Hardness	ASTM D 2240	Shore D	65-69
Tensile Strength	ASTM D 4745	Mpa	22
Elongation	ASTM D 4745	%	220
Diametrical Shrinkage	INTERNAL	%	2.0-3.0
Recommended Moulding Pressure			400-600
Max. Sintering Temperature			370-375 ° C

### Product Advantages:

Stainless Steel Filler Filled PTFE has increased Heat Conductivity It offers greater chemical resistance than Bronze Filled PTFE in high pressure applications. It has reduced Deformation under load .

### Typical Applications:

- Wear Resistant Seals and Gaskets for High Pressure Applications especially in steam 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.

### Fluoropolymer Blends

Plot No 486 , Road No 87 , Jubilee Hills , Hyderabad – 500 033, Telangana State

Email : [fluoropolymerblends@gmail.com](mailto:fluoropolymerblends@gmail.com).

Mobile No 98480 27315 / 966 666 9504 , Visit us @ [www.fluoropolymerblends.com](http://www.fluoropolymerblends.com)