

MATERIAL DATA SHEET

Grade FP25C/GR



Product Description

This product is non free flow compound containing Calcined Petroleum Coke (23% by weight) and Graphite Filler (2%) blended in PTFE Resin

Physical Properties

| Property | Test Method | Units | Value |
|-------------------------------|-------------|---------|-------------|
| Bulk Density | ASTM D 4745 | g/cc | |
| Specific Gravity | ASTM D 4745 | | 1.90-2.10 |
| Hardness | ASTM D 2240 | Shore D | 64-69 |
| Tensile Strength | ASTM D 4745 | Psi | 2300 |
| Elongation | ASTM D 4745 | % | 100-150 |
| Diametrical Shrinkage | INTERNAL | % | 2.5±0.5 |
| Recommended Moulding Pressure | | | 300-350 |
| Max. Sintering Temperature | | | 370-375 ° C |

Product Advantages:

Carbon filled PTFE is used where higher thermal or electrical conductivity is required. This grade also exhibits improved wear life and has very good compression properties for loading applications, Carbon Filled PTFE Grade also has good abrasion resistance , load bearing , wear and frictional properties under rubbing conditions ,ranging from dry to fully lubricated systems .Must be avoided with the use of strong alkalise and Hydrofluoric Acid

Typical Applications:

- High Bearing applications against hard surfaces,
- Bearing Pads
- Piston and Rider 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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