

8105

Material Data Sheet

25% Glass NFF



PTFE & PEEK COMPOUNDS

Product Description

A 25% glass fibre filled PTFE compound. Glass is the most commonly used PTFE filler, resulting in lower deformation under load at both high and low temperatures. Wear resistance is also significantly improved, whilst there is little effect on electrical properties.

- Avoid use with Hydrofluoric Acid (HF) and strong alkalis.
- The glass fibre used is E-glass milled fibre, nominal diameter 13 microns to ensure even dispersion and optimum properties.
- Glass filled mouldings have a homogenous and dense structure. The surface is smooth with a white to light grey appearance.

Physical Properties

Property	Value	Unit
Colour	White	
Bulk Density	500	g/l
Specific Gravity	2.24	g/cm ³
Hardness	62-64	Shore D
Tensile Strength	17	MPa
Elongation	225	%
Shrinkage	2.2	%
Rec Preform Pressure	30-55	MPa
Max Sintering Temp	370	°C

Typical Applications

- Piston Rings
- Valve Seats
- Shaft Seals
- Electrical Insulators
- Bridge & Pipe Bearing Pads
- Gaskets

Delivery Program

This product is sealed in two-layer plastic bags inside a rigid 25 or 30kg drum. It should be stored at 22 to 25°C for 24 hours before processing.



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Figures provided are statistical average values. All data herein is represented in good faith, however without guarantee or warranty.