

8100

Material Data Sheet

Product Information

100% Virgin PTFE NFF

Features

Virgin PTFE contains no fillers and is supplied to a strict particle size and purity specification. This resin is ideal for compression moulding of stock shapes that require optimum electrical and mechanical properties

Benefits

This formulation offers the following performance advantages:

- Excellent chemical resistance
- Extremely low friction/non – stick properties
- FDA compliant (food safe)
- High temperature resistance (260°C continuous)

Typical Applications

- Gaskets and tapes
- Mechanical seals
- Electrical insulators
- Bridge bearing pads
- Laboratory equipment (e.g. test tubes)
- Tank and pipe linings

Delivery Program

Resin 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.

Physical Properties

Property	Value	Unit
Colour	White	
Bulk Density	500	g/l
Specific Gravity	2.17	g/cm ³
Hardness	58	Shore D
Tensile Strength	28	MPa
Elongation	300	%
Compressive Strength	2.5	MPa
Rec Preform Pressure	25	MPa
Water Absorption Rate	Hydrophobic	

