

9100/NXT75

Material Data Sheet

Product Information

100% Virgin – Modified PTFE NFF

Features

A chemically modified 100% virgin PTFE that contains no fillers and is supplied to a strict particle size and purity specification. This product fills the gap between conventional PTFE and melt-processable PFA.

Benefits

This grade offers the following performance advantages:

- Excellent weldability
- Lower deformation under load
- Very low permeability
- High dielectric strength vs standard PTFE

Typical Applications

- Ball valve seats
- Electrical insulators
- Tank & Pipe linings
- Bushes & Bearings
- Semi-conductor processing parts

Delivery Program

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

This grade is available as:

- Non free flow or Free flow resin

Physical Properties

Property	Value	Unit
Colour	White	
Bulk Density	440	g/l
Specific Gravity	2.17	g/cm ³
Hardness	59	Shore D
Tensile Strength	31.5	MPa
Elongation	450	%
Shrinkage	2.7	%
Rec Preform Pressure	30	MPa
Max/Min Operating Temp	-260/260	°C

