

### Product Description

Free Flow 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 or semi / auto moulding of parts due to its high fill density.

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

- Seals
- Electrical Insulators
- Valve Seats
- Gaskets
- Linings (chemical)

### Physical Properties

Property	Value	Unit
Colour	White	
Bulk Density	660	g/l
Specific Gravity	2.17	g/cm <sup>3</sup>
Hardness	59	Shore D
Tensile Strength	25	MPa
Elongation	360	%
Shrinkage	3	%
Rec Preform Pressure	25	MPa
Max Sintering Temp	370	°C
Dielectric strength	59 k	V/mm in Air
Dielectric constant	2.1	60Hz

### 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.

This grade is available as:-

- Non Free Flow or Free Flow Resin
- Pre-sintered Resin

