

# MATERIAL DATASHEET

**Material Reference:**  
FLUORONOID® FL100  
**Colour:**  
WHITE

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## > Description >

VIRGIN PTFE TO BS EN ISO 13000

PTFE has a wide range of applications that make use of its extreme chemical resistance, very low coefficient of friction, excellent electrical insulation properties and thermal stability up to 250°C.

Rod, tube and sheet semi-finished material in virgin PTFE is manufactured in accordance with BS EN ISO 13000-1.

## > Typical Physical Properties #

Properties	Unit	Grade 1	Grade 2	Grade 3	Grade 4
Density	g/cm <sup>3</sup>	2.13 – 2.19	2.13 – 2.19	2.13 – 2.19	2.13 – 2.19
Tensile Strength	MPa	>25	>20	>15	>10
Elongation	%	>280	>200	>150	>75

Properties determined in accordance with BS EN ISO 13000-2

Shore D Hardness	55-65	
Compressive Strength	1% yield stress 2 MPa	10% yield stress 15 MPa

# These figures are typical values for the material and do not represent a product specification. Properties will vary depending on the source of raw material, method of processing, physical form of the product, direction of measurement etc.