



DATA SHEET

MATERIAL REFERENCE – FLUORONOID® FL 100

DESCRIPTION VIRGIN PTFE TO BS EN ISO 13000

FORMULATION 100% PTFE

COLOUR White

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.

SPECIFICATION

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 ³	All Grades 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.