

MATERIAL DATASHEET

Material Reference:
FLUORINOID® FL131
Blue PTFE

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> Description >

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.

PTFE can be used over a wide temperature range from liquid helium temperatures (-269°C) – at which temperature it does not undergo embrittlement, up to 260°C (which may sometimes be exceeded under moderate loads).

> Typical Physical Properties

Properties	Value	Method
Specific Gravity	2.14-2.19	BSN 13000-2
Tensile Strength	min. 20 MPa	BSN 13000-2
Elongation	min. 250%	BSN 13000-2
Shore D Hardness	55-65	BSN 13000-2

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.