

Issue 3

DATA SHEET

MATERIAL REFERENCE – FLUORINOID® FL 131

DESCRIPTION BLUE PTFE

TYPICAL APPLICATIONS

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

SPECIFIC GRAVITY (BS EN ISO 13000-2) 2.14 - 2.19

TENSILE STRENGTH (BS EN ISO 13000-2) min 20 MPa

ELONGATION (BS EN ISO 13000-2) min 250%

SHORE D HARDNESS (BS EN ISO 13000-2) 55 - 65

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.

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