

DATA SHEETMATERIAL REFERENCE – FLUORINOID® FL 123DESCRIPTION GRAPHITE FILLED PTFETYPICAL APPLICATIONS

For use in high-speed bearings and sealing applications, self-lubricating, relatively low wear rate of opposing surface, chemically inert.

TYPICAL PHYSICAL PROPERTIES #

SPECIFIC GRAVITY	(BS EN ISO 13000-2)	2.14 – 2.18
TENSILE STRENGTH	(BS EN ISO 13000-2)	>16.6 MPa
ELONGATION	(BS EN ISO 13000-2)	>150 %
SHORE D HARDNESS	(BS EN ISO 13000-2)	59 - 63
THERMAL CONDUCTIVITY		0.75 W/(m·K)
COEFFICIENT OF LINEAR EXPANSION (  )		19 x 10 <sup>-5</sup> /°C
VOLUME RESISTIVITY		10 <sup>7</sup> Ω·cm
WEAR RATE (m <sup>3</sup> /Nm x 10 <sup>-16</sup> )		6.4
MAXIMUM WORKING TEMPERATURE		260°C

# 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.

**MATERIAL DATA SHEET**

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