

Issue 4

DATA SHEET

MATERIAL REFERENCE – FLUORINOID® FL 117

<u>DESCRIPTION</u> HIGH TEMPERATURE AROMATIC POLYESTER FILLED PTFE

TYPICAL APPLICATIONS

Polymeric fillers of this type are of particular use in bearing applications where minimum wear of the opposing surface is of importance. In addition any residue from wear is light in colour and relatively inert.

TYPICAL PHYSICAL PROPERTIES

SPECIFIC GRAVITY	(BS EN ISO 13000-2)	2.0 - 2.10
TENSILE STRENGTH	(BS EN ISO 13000-2)	min 18MPa.
ELONGATION	(BS EN ISO 13000-2)	min 230%
SHORE D HARDNESS	(BS EN ISO 13000-2)	59 - 69
WEAR RATE ($m^3/Nm \times 10^{-16}$)		6.4
MAXIMUM OPERATING 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.

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