



DATA SHEET

MATERIAL REFERENCE – FLUORINOID® FL 106

DESCRIPTION BRONZE AND MOLYBDENUM DISULPHIDE
FILLED PTFE

TYPICAL APPLICATIONS

Addition of bronze to PTFE increases hardness and compressive strength, provides better dimensional stability and lowers creep, cold flow and wear. It also increases thermal and electrical conductivity.

Addition of molybdenum disulphide improves hardness and stiffness and lowers break-in wear and starting friction.

Typical applications include self-lubricating bearings, compressor rings, seals and valve seats.

TYPICAL PHYSICAL PROPERTIES #

SPECIFIC GRAVITY	(BS EN ISO 13000 – 2)	3.8+/-0.1
TENSILE STRENGTH	(BS EN ISO 13000 – 2)	12MPa min.
ELONGATION	(BS EN ISO 13000 – 2)	125% min.
SHORE D HARDNESS	(BS EN ISO 13000 – 2)	64 - 74
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.

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