

MATERIAL DATASHEET

Material Reference:
FLUORONOID® FL106
Bronze & Moly Filled PTFE

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> Description >

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

Properties	Value	Method
Specific Gravity	3.8+/-0.1	BSN 13000-2
Tensile Strength	min. 12 MPa	BSN 13000-2
Elongation	min. 125%	BSN 13000-2
Shore D Hardness	64-74	BSN 13000-2
Max Working Temp	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.