

MATERIAL DATASHEET

Material Reference:

FLUORONOID® FL130

Stainless Steel Filled PTFE

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> **Description** >

FL130 has good chemical resistance, low creep, low wear rate (often at the expense of the opposing surface). It is used in load bearing applications such as valve seats.

> **Typical Physical Properties #**

Properties	Value	Method
Specific Gravity	3.35-3.45	BSN 13000-2
Tensile Strength	>16 MPa	BSN 13000-2
Elongation	>170%	BSN 13000-2
Shore D Hardness	59-63	BSN 13000-2
Compressive Modulus (Predicted Value)	900 MPa	
Coefficient of Friction	Dynamic - 0.06 Static - 0.08	ASTM D1894
Coefficient of Linear Expansion	$14 \times 10^{-5} \text{ } ^\circ\text{C}^{-1}$	
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.