FLUOROCARBON

Issue 2

DATA SHEET

MATERIAL DATA SHEET

MATERIAL REFERENCE – **FLUORINOID® FL 130**

DESCRIPTION STAINLESS STEEL FILLED PTFE

TYPICAL APPLICATIONS

FL 130 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 #

| | | |
|---|---|---|
| SPECIFIC GRAVITY | (BS EN ISO 13000-2) | 3.35 – 3.45 |
| TENSILE STRENGTH | (BS EN ISO 13000-2) | >16 MPa |
| ELONGATION | (BS EN ISO 13000-2) | >170% |
| SHORE D HARDNESS | (BS EN ISO 13000-2) | 59-63 |
| COMPRESSIVE MODULUS (PREDICTED VALUE) | | 900 MPa |
| COEFFICIENT OF FRICTION | (ASTM D1894) | |
| | Dynamic | 0.06 |
| | Static | 0.08 |
| COEFFICIENT OF LINEAR EXPANSION | | 14 x $10^{-5}$ °$C^{-1}$ |
| 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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