FLUOROCARBON

Issue 1

DATA SHEET

MATERIAL DATA SHEET

MATERIAL REFERENCE – **FLUORINOID® FL 357**

DESCRIPTION PEEK WITH SPECIAL FILLERS

TYPICAL APPLICATIONS

High performance engineering thermoplastic with good chemical resistance, good wear resistance, high maximum use temperature, low flammability, excellent electrical properties and good radiation resistance.

FL 357 has been developed to give greater flexibility and a lower coefficient of friction. These properties are of particular interest to valve manufacturers for the construction of valve seats.

TYPICAL PHYSICAL PROPERTIES #

SPECIFIC GRAVITY	1.40
TENSILE STRENGTH	70 MPa
ELONGATION	10 - 15 %
FLEXURAL STRENGTH	90 MPa
FLEXURAL MODULUS	3.3 GPa
COMPRESSIVE STRENGTH	90 MPa
COEFFICIENT OF FRICTION (DYNAMIC)	0.23

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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