

DATA SHEETMATERIAL REFERENCE – FLUORINOID® FL 316DESCRIPTION      POLYETHERIMIDETYPICAL APPLICATIONS

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

TYPICAL PHYSICAL PROPERTIES #

SPECIFIC GRAVITY	(ASTM D792)	1.27
TENSILE STRENGTH	(ASTM D638)	110 MPa
ELONGATION AT YIELD	(ASTM D638)	7 %
ELONGATION AT BREAK	(ASTM D638)	60%
TENSILE MODULUS	(ASTM D638)	3.6 GPa
FLEXURAL STRENGTH	(ASTM D790)	165 MPa
FLEXURAL MODULUS	(ASTM D790)	3.5 GPa
COEFFICIENT OF THERMAL EXPANSION	(ASTM E831)	5.4 to 5.6 X 10 <sup>-5</sup> °C <sup>-1</sup>
VOLUME RESISTIVITY	(ASTM D257)	10 <sup>17</sup> Ω.cm
HARDNESS ROCKWELL M	(ASTM D785)	109

# 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.