

DATA SHEETMATERIAL REFERENCE - FLUORINOID® FL 374DESCRIPTION BLACK PEEKTYPICAL 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.

TYPICAL PHYSICAL PROPERTIES #

Properties are the same as for virgin PEEK and are as follows:

SPECIFIC GRAVITY	(ISO R1183)	1.26 – 1.32
TENSILE STRENGTH	(ISO R527)	100 MPa
ELONGATION	(ISO R527)	50 %
COMPRESSIVE STRENGTH	(ASTM D695)	118 MPa
COEFFICIENT OF FRICTION AT 20°C, 30.5m / min, 70Kg LOAD		0.34
LIMITING PV AT 20°C, 30.5m / min		357 (MPa) (m / min)
HARDNESS ROCKWELL R	(ASTM D785)	126
MAXIMUM CONTINUOUS SERVICE TEMPERATURE	(UL 746B)	250 °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.