



DATA SHEET

MATERIAL REFERENCE – FLUORINOID® FL 355

DESCRIPTION LUBRICATED FILLED PEEK

TYPICAL APPLICATIONS

Low friction grade of filled PEEK for production of plain bearings, low friction valve seats etc.

TYPICAL PHYSICAL PROPERTIES #

	Injection Moulded	Extruded	Compression Moulded
SPECIFIC GRAVITY	1.46 (ISO R1183)	1.44 – 1.48 (H-WI-28)	1.44 – 1.48 (H-WI-28)
TENSILE STRENGTH	131 MPa (ISO R527)	75 - 90 MPa (H-WI-28)	>45 MPa (H-WI-28)
ELONGATION	3 % (ISO R527)	>3 % (H-WI-28)	>3 % (H-WI-28)

H-WI-28 is an Internal Fluorocarbon Procedure for Testing Melt Processible Plastics

COEFFICIENT OF FRICTION AT 20°C, 30.5m / min, 70Kg LOAD	0.11
LIMITING PV AT 20°C, 30.5m/min	1084(MPa)(m/min)
MAXIMUM TEMPERATURE	260°C
MINIMUM TEMPERATURE (All applications)	-50°C
MIMIMUM TEMPERATURE (Application Specific Only)	-150°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.

Fluorinoid® is a registered trademark of Fluorocarbon Group

MATERIAL DATA SHEET