

MATERIAL DATASHEET

Material Reference:
FLUORONOID® FL355
Lubricated Filled PEEK

+44 (0) 845 2505 100 
info@fluorocarbon.co.uk 
www.fluorocarbon.co.uk 

> Description >

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

>Typical Physical Properties

Properties	Values		
	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	131MPa (ISO R527)	75-90 MPa (H-WI-28)	>45MPa (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

Properties	Value
Coefficient of Friction at 20°C, 30.5m/min, 70Kg Load	0.11
Limiting PV at 20°C, 30.5m/min	813 MPa m/min
Maximum Temperature	260°C
Minimum Temperature (All Applications)	-50°C
Minimum 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.