



DATA SHEET

MATERIAL REFERENCE - FLUORINOID® FL030

DESCRIPTION BLACK VIRGIN PEEK

Material approved in accordance with **NORSOK M-710 Annex C**, by Element Materials Technology Report No. C3014-1

TYPICAL APPLICATIONS

FL030 PEEK is a high performance engineering thermoplastic with good chemical resistance, good wear resistance, high maximum use temperature, low flammability, excellent electrical properties and good radiation resistance. This material is suitable for valve seats and for use as high pressure anti-extrusion rings and hat rings for PTFE and rubber seals.

TYPICAL PHYSICAL PROPERTIES

SPECIFIC GRAVITY	(ISO 1183)	1.26 – 1.32
TENSILE STRENGTH	(H-WI-28)	min 100 MPa
ELONGATION	(H-WI-28)	5 %
COMPRESSIVE STRENGTH	(ASTM D695)	min 118 MPa
SHORE D HARDNESS	(ISO 868)	80 - 85
WORKING TEMPERATURE		-50°C to 260°C

NORSOK DATA SHEET

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