



DATA SHEET

MATERIAL REFERENCE – FLUORINOID® FL013

DESCRIPTION GLASS, CARBON AND GRAPHITE FILLED PTFE

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

TYPICAL APPLICATIONS

FL 013 has been developed for use in dynamic sealing applications. It combines glass and carbon to improve compression and wear properties. The carbon and graphite interact to maintain a low coefficient of friction over just a glass filled material. The carbon and graphite gives improved thermal conductivity so this is particularly suited to higher speed applications

TYPICAL PHYSICAL PROPERTIES

SPECIFIC GRAVITY	(BS EN ISO 13000-2)	2.14 – 2.18
TENSILE STRENGTH	(BS EN ISO 13000-2)	min. 18MPa
ELONGATION	(BS EN ISO 13000-2)	min 175%
SHORE D HARDNESS	(BS EN ISO 13000-2)	63 – 67
MAXIMUM OPERATING TEMPERATURE		260°C