



DATA SHEET

MATERIAL REFERENCE – FLUORINOID® FL014

DESCRIPTION CARBON FILLED PTFE

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

TYPICAL APPLICATIONS

FL014 has been developed for sealing applications. The carbon filler gives good compression and wear resistance. The carbon gives improved thermal conductivity so this is particularly suited to higher speed applications, particularly with aqueous media. The use of carbon also reduces permeability compared to glass filled PTFE's.

TYPICAL PHYSICAL PROPERTIES

SPECIFIC GRAVITY	(BS EN ISO 13000-2)	2.1 – 2.15
TENSILE STRENGTH	(BS EN ISO 13000-2)	min. 18MPa
ELONGATION	(BS EN ISO 13000-2)	min. 230%
SHORE D HARDNESS	(BS EN ISO 13000-2)	60 - 70
MAXIMUM WORKING TEMPERATURE		260°C