



DATA SHEET

MATERIAL REFERENCE – FLUORINOID® FL011

DESCRIPTION PTFE with GLASS and MOLYBDENIUM DISULPHIDE

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

TYPICAL APPLICATIONS

FL011 has been developed for sealing applications. The glass improves compression and wear properties whilst the MoS2 counters the increase in friction due to the glass.

This grade is particularly suited to dynamic sealing applications.

TYPICAL PHYSICAL PROPERTIES

SPECIFIC GRAVITY	(BS EN ISO 13000-2)	2.22 – 2.30
TENSILE STRENGTH	(BS EN ISO 13000-2)	Min. 17.2MPa
ELONGATION	(BS EN ISO 13000-2)	Min. 200%
SHORE D HARDNESS	(BS EN ISO 13000-2)	60 - 68
STATIC COEFFICIENT OF FRICTION	at 23°C	0.085
MAXIMUM WORKING TEMPERATURE		260°C

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