

DATA SHEETFLUOROCARBON MATERIAL REFERENCE - FL015

DESCRIPTION PTFE with MOLYBDENUM DISULPHIDE and GRAPHITE

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

TYPICAL APPLICATIONS

The MoS₂ and graphite increase the hardness and stiffness of PTFE whilst maintaining a low coefficient of friction. Used in stem packing seals giving low friction during high pressure valve operation.

TYPICAL PHYSICAL PROPERTIES

SPECIFIC GRAVITY	(BS EN ISO 13000-2)	2.27-2.31
TENSILE STRENGTH	(BS EN ISO 13000-2)	min. 6 MPa
ELONGATION	(BS EN ISO 13000-2)	min 220 %
SHORE D HARDNESS	(BS EN ISO 13000-2)	60 - 64
MAXIMUM WORKING TEMPERATURE		260°C

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