



DATA SHEET

MATERIAL REFERENCE – FLUORINOID® FL 105

DESCRIPTION      GLASS FIBRE FILLED PTFE

FORMULATION    75% PTFE, 25% GLASS FIBRE (BY WEIGHT)

Glass fibre is the most commonly used filler for sealing applications. It gives improved compression and wear properties.

This material may be inert gas sintered to further improve creep properties and reduce porosity and gas permeability. There will be a consequent loss of tensile properties.

TYPICAL PHYSICAL PROPERTIES #

SPECIFIC GRAVITY	(BS EN ISO 13000-2)	2.19 – 2.29
TENSILE STRENGTH	(BS EN ISO 13000-2)	min. 15.7 MPa
ELONGATION	(BS EN ISO 13000-2)	min. 200 %
SHORE D HARDNESS	(BS EN ISO 13000-2)	57 – 65
CONTINUOUS TEMPERATURE RANGE		-260°C to 260°C

# These figures are typical values for the material and do not represent a product specification. Properties will vary depending on the source of raw material, method of processing, physical form of the product, direction of measurement etc.

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