

DATA SHEETMATERIAL REFERENCE – FLUORINOID® FL 290

DESCRIPTION PTFE WITH SPECIAL FILLERS INCLUDING GLASS FIBRE

COLOUR GOLD

Addition of glass fibre to PTFE reduces compressive creep therefore increasing the load bearing potential. It also considerably reduces the wear rate and increases the toughness of the resultant composite.

TYPICAL PHYSICAL PROPERTIES #

SPECIFIC GRAVITY	(BS EN ISO 13000-2)	2.19 – 2.27
TENSILE STRENGTH	(BS EN ISO 13000-2)	14 – 20 MPa
ELONGATION	(BS EN ISO 13000-2)	160 - 300 %
SHORE D HARDNESS	(BS EN ISO 13000-2)	60 - 65
COMPRESSIVE STRENGTH 0.2% OFFSET	(ASTM D695)	10 – 15
COMPRESSIVE MODULUS	(ASTM D695)	600 – 700 MPa
COEFFICIENT OF FRICTION (UNLUBRICATED STEEL 20 Kg / cm <sup>2</sup> , 0.02 m / s)		0.11

# 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.

MATERIAL DATA SHEET

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