

DATA SHEETMATERIAL REFERENCE – FLUORINOID® FL 107

DESCRIPTION CARBON AND GRAPHITE FILLED PTFE

FORMULATION 65% PTFE, 35% CARBON AND GRAPHITE (BY WEIGHT)

TYPICAL APPLICATIONS

Carbon and graphite filled PTFE is used in dynamic sealing applications. Carbon filler gives good compression and wear resistance, good thermal conductivity and low permeability. Graphite improves the self-lubricating properties.

TYPICAL PHYSICAL PROPERTIES #

SPECIFIC GRAVITY	(BS EN ISO 13000-2)	1.95 ó 2.08
TENSILE STRENGTH	(BS EN ISO 13000-2)	12MPa min
ELONGATION	(BS EN ISO 13000-2)	40% min
SHORE D HARDNESS	(BS EN ISO 13000-2)	63 - 73
WEAR RATE (m <sup>3</sup> /Nm x 10 <sup>-16</sup> )		9.3
MAXIMUM WORKING TEMPERATURE		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.

MATERIAL DATA SHEET

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