

MATERIAL DATASHEET

Material Reference:

FLUORONOID® FL107

Carbon and Graphite Filled PTFE

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> **Description** >

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.

> **Standard Physical Properties (#) - Tested on 3.1 Certification**

Properties	Value	Method
Specific Gravity	1.95-2.10	BS EN ISO 13000-2
Tensile Strength	min. 12 MPa	BS EN ISO 13000-2
Elongation	min. 25%	BS EN ISO 13000-2
Shore D Hardness	63-73	BS EN ISO 13000-2

> **Physical Properties - Tested on Request**

Properties	Value
Wear Rate ($m^3/Nm \times 10^{-16}$)	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.