MATERIAL DATASHEET

FLUOROCARBON

Material Reference:

FLUORINOID® FL103

Glass Fibre Filled PTFE

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> Description >

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

Properties	Value	Method
Specific Gravity	2.17-2.25	BSN 13000-2
Tensile Strength	min. 15.0 MPa	BSN 13000-2
Elongation	min. 200%	BSN 13000-2
Shore D Hardness	60-70	BSN 13000-2

Quality control of 5% glass fibre filled PTFE is covered by BS 6564: Part 3

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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