FLUOROCARBON

Issue 2

DATA SHEET

MATERIAL DATA SHEET

MATERIAL REFERENCE – **FLUORINOID® FL 307**

DESCRIPTION ANTISTATIC PFA

TYPICAL APPLICATIONS

PFA is a melt processible fluoropolymer with chemical resistance and thermal properties which are as good as those of PTFE. It has a maximum use temperature of 260°C.
Addition of special antistatic fillers enables a built up of static charge to be avoided.

TYPICAL PHYSICAL PROPERTIES #

SPECIFIC GRAVITY	(ASTM D792)	2.12 - 2.17
TENSILE STRENGTH	(ASTM D3307)	19 (2700) MPa (psi)
ELONGATION AT BREAK	(ASTM D3307)	250%
VOLUME RESISTIVITY*	(ASTM D267)	15 - 25 Ω.cm
SHORE D HARDNESS	(ASTM S2240)	55 - 60
UPPER SERVICE TEMPERATURE		260 (500) °C (°F)

* Volume resistivity as measured on compression molded plaques. Resistivity is very sensitive to processing technique and conditions. Injection molded plaques are typically higher.

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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