FLUOROCARBON

Issue 1

DATA SHEET

MATERIAL DATA SHEET

MATERIAL REFERENCE – **FLUORINOID® FL 150**

DESCRIPTION ANTISTATIC PTFE

FORMULATION PTFE WITH SPECIAL FILLERS

TYPICAL APPLICATIONS

PTFE has a wide range of applications, which make use of its extreme chemical resistance, very low coefficient of friction, and thermal stability up to 250°C. Virgin PTFE is also an extremely good electrical insulator. Antistatic PTFE has special conductive fillers added to reduce its resistivity. This produces a material which is sufficiently conductive to leak away any static charge that might build up on the surface.

TYPICAL PHYSICAL PROPERTIES #

SPECIFIC GRAVITY	(BS EN ISO 13000-2)	2.14 – 2.20	
TENSILE STRENGTH	(BS EN ISO 13000-2)	20 – 30	MPa
ELONGATION	(BS EN ISO 13000-2)	200 – 350	%
SHORE D HARDNESS	(BS EN ISO 13000-2)	55 - 65	
VOLUME RESISTIVITY		$< 10^6$	Ohm.cm
SURFACE RESISTIVITY		$< 10^6$	Ohm

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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