FLUOROCARBON

Issue 3

DATA SHEET

MATERIAL DATA SHEET

MATERIAL REFERENCE – **FLUORINOID® FL 250**

DESCRIPTION POROUS PTFE

Porous PTFE is a microporous media for use in industrial and laboratory applications. It has been developed for gas and liquid filtration in aggressive environments (chemical and high temperature) and is primarily suited for engineering applications due to inherent strength and versatile form.
Inert to almost all chemicals and can be cleaned repeatedly. Displaying all the well-known characteristics of PTFE.
Good machinability - can be adapted and incorporated into existing plant and equipment. Can be isostatically moulded to give a variety of forms and shapes. Process methods ensure high strength of finished product approaching that of solid PTFE articles.

TYPICAL PHYSICAL PROPERTIES #

SPECIFIC GRAVITY 1.35 - 1.50 g/cm^3

Due to the nature of this material the mechanical properties vary with specific gravity as shown in the table below.

SG	Tensile (min MPa)	Elongation (min. %)	Porosity (%)
1.350	3.0	30	38
1.400	3.5	35	37
1.500	4.0	40	35
1.550	5.0	45	28

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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