

PTFE

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PTFE - Virgin Polytetrafluoroethylene

Virgin PTFE has a wide range of applications which make use of its extreme chemical resistance, low coefficient of friction, excellent electrical insulation properties and thermal stability up to 250 °C.

BS Specification: BS6564UA/2

Delivery Programme

	min	max
Rod diameter (mm)	4	120
Tube		
outer diameter (mm)	10	120
inner diameter (mm)	6	80
Cord/Rod diameter (mm)	1.25	7.94
Thin Wall Tubing		
outer diameter (mm)	2	22
inner diameter (mm)	1	20
outer diameter (")	1/16	7/8
inner diameter (")	1/32	3/4
Electrical Sleeving		
Size (mm)	0	28
Tape		
Thickness	0.10	3

Thermal Expansion

°C	Increase
15 - 30	0.4%
30 - 50	0.3%
30 - 100	0.8%
30 - 200	2.4%
30 - 250	3.4%

Technical Specification

Property	Units	Values
Density	g/cm ³	2.13 - 2.20
Tensile strength	Mpa (min)	19
Elongation at break	%	250
Hardness	Shore D	55 - 65
Melt point	°C	327 (+/- 10%)
Temperature range	°C	- 200 to +250

These figures are typical values for the materials listed and do not represent a product specification. Properties will vary depending on the source of the raw material, method of processing, physical form of product and direction of measurement etc.