

Insulation Materials

Product Information Sheet

Product

VALOX 4IG00

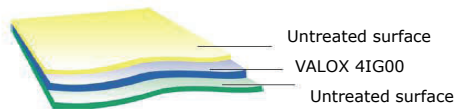
Product Description

VALOX 4IG00 is a flame retardant high performance thermoplastic polybutylene. Operating temperature of -40 to 140°C

Key Features

- Flame resistant
- High thermal index rating (UL94-VTM-0)
- Excellent dielectric strength

Structure of VALOX 4IG00



Property	Test Method	Unit	Value
Film Thickness	-	Micron	50 250 760
Tensile strength at break MD TD	-	N/cm ²	7800 11400 11070 3600 6080 7830
Elongation at break MD TD	-	%	9 19 17 6 15 13
Thermal conductivity	W/m ^{°K}	At 150°C	0.094 0.128 0.178
Dielectric strength (AC rapid rise)	-	kV/mm	17 32 27
Full wave impulse	-	kV/mm	39 63 49
Dielectric constant	-	at 60 Hz	1.6 2.7 3.7
Dissipation factor	-	At 60 Hz (x10)	4 6 7
Shrinkage MD TD	at 300°C	%	1.0 0.3

'MD' - Machine direction. 'TD' - Transverse direction

Applications

VALOX 4IG00 used for electrical connectors, circuit breaker enclosures, fibre optic tubing, outdoor telecommunications enclosures.

The information above is given in good faith and should be considered as a guide not a specification.



BS EN 14644 : 1999
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