



Material Datasheet

ETFE

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Filler content: -
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Mechanical

Density	ASTM D792	1,7	gr/cm ³
Tensile Strength	ASTM D638	40	N/mm ²
Elongation @ break	ASTM D638	300	%
Flexural Modulus	ASTM D790	1,000	MPa
Linear Coefficient of Expansion 0 – 100°C	ASTM D696		13,3 x 10 ⁻⁵ mm/mm/°C

Electrical

Dielectric Strength, 0,25 mm	ASTM D150	70	kV/mm
Dielectric Constant, 1 MHz	ASTM D1531	2,5 - 2,6	-
Dissipation Factor, 1 MHz	ASTM D1531	0,0072	-
Volume Resistivity	ASTM D257	1 x 10 ³	ohm-m

General

Water Absorption, 24 hr Weather and Chemical Resistance	ASTM D270	0,007	%
Limiting Oxygen Index	ASTM D2863	30-32	%
Bulk Density		1,300	g/L
Hardness	ASTM D2240	67	Shore D
Flame Rating	UL94	V-0	-