



PVDF 60x3000 mm natural

Artikelnr P1010624

Kategori PVDF

Tekniska egenskaper

Density & Weight

Egenskap	VÄrde	Enhet	Provningsstandard
Density	1.78	g/cm ³	ISO1183

Tensile Properties

Egenskap	VÄrde	Enhet	Provningsstandard
Tensile Strength	40	MPa	ISO 527
Modulus of elasticity (tensile)	2200	MPa	ISO527-2
Breakdown Voltage	46	MPa	ISO 527
Break Elongation	17	%	ISO527-2

Temperature Limits

Egenskap	VÄrde	Enhet	Provningsstandard
Melting point	171	Å°C	ISO11357
Maximal operating temperature (short-term)	142	Å°C	UL746B
Maximum Operating Temperature	130	Å°C	UL746B
Minimum temperature	-26	Å°C	
Heat deflection temperature (HDT/A)	104	Å°C	ISO 75
Heat deflection temperature (HDT/B)	145	Å°C	ISO 75
Vicat softening temperature (VST/B/50)	138	Å°C	ISO 306

Insulation Properties

Egenskap	VÄrde	Enhet	Provningsstandard
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Egenskap	Värde	Enhet	Provningsstandard
Dielectric Strength	27	kV/mm	IEC 60243-1
Volume Resistivity	$10^{11} \Omega \cdot \text{cm}$	$\Omega \cdot \text{cm}$	IEC 60093
Dielectric Constant (1 MHz)	7.7	-	IEC 60250
Dielectric loss factor (1 MHz)	0.1	-	IEC 60250

Flexural Properties

Egenskap	Värde	Enhet	Provningsstandard
Flexural Strength	62	MPa	ISO527-2

Thermal Conductivity

Egenskap	Värde	Enhet	Provningsstandard
Thermal Conductivity	0.25	W/(m·K)	DIN22007-4

Static spread

Egenskap	Värde	Enhet	Provningsstandard
Surface Resistivity	$10^{11} \Omega$	Ω	IEC60093
Comparative Tracking Index (CTI)	600	V	IEC 60112

Moisture Absorption

Egenskap	Värde	Enhet	Provningsstandard
Water absorption to saturation	0.15	%	ISO62
Water Absorption to Saturation	0.35	%	ISO62

Impact Resistance

Egenskap	Värde	Enhet	Provningsstandard
Notched impact strength (Charpy)	8	kJ/m^2	ISO 179
Impact Resistance (Charpy)	150	kJ/m^2	ISO179/1eU

Thermal Expansion

Egenskap	Värde	Enhet	Provningsstandard
Thermal Expansion Coefficient	1.6	$10^{-6} / \text{K}$	ISO11359

Hardness

Egenskap	Värde	Enhet	Provningsstandard
Hardness Shore D	80	Å° Shore D	ISO868
Ball pressure hardness	120	MPa	ISO 2039

Godkännanden

EU 10/2011

FDA

REACH

RoHS

UL
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