



PA6.6 GF30 20x1000 mm svart

Artikelnr P1002480

Kategori PA

Tekniska egenskaper

Density & Weight

Egenskap	VÄrde	Enhet	Provningsstandard
Density	1.3	g/cm ³	ISO 1183

Tensile Properties

Egenskap	VÄrde	Enhet	Provningsstandard
Tensile Strength	100	MPa	ISO 527
Modulus of elasticity (tensile)	5900	MPa	ISO 527-2
Breakdown Voltage	100	MPa	ISO 527-2
Break Elongation	5	%	ISO 527-2

Temperature Limits

Egenskap	VÄrde	Enhet	Provningsstandard
Melting point	257.5	Å°C	ISO 3146
Maximal operating temperature (short-term)	175	Å°C	UL746B
Maximum Operating Temperature	120	Å°C	
Minimum temperature	-20	Å°C	
Heat deflection temperature (HDT/A)	150	Å°C	ISO 75-2
Heat deflection temperature (HDT/B)	250	Å°C	ISO 75

Insulation Properties

Egenskap	VÄrde	Enhet	Provningsstandard
Dielectric Strength	30	kV/mm	IEC 60243-1

Egenskap	V�rde	Enhet	Provningsstandard
Volume Resistivity	~10 ¹⁴ Ω·cm	Ω·cm	IEC 60093
Dielectric Constant (1 MHz)	3.6	-	IEC 60250
Dielectric loss factor (1 MHz)	0.0	-	IEC 60250

Thermal Conductivity

Egenskap	V�rde	Enhet	Provningsstandard
Thermal Conductivity	0.31	W/(m·K)	DIN 52612

Static spread

Egenskap	V�rde	Enhet	Provningsstandard
Surface Resistivity	~10 ¹⁴ Ω ²	Ω	IEC 60093
Comparative Tracking Index (CTI)	475	V	IEC 60112

Moisture Absorption

Egenskap	V�rde	Enhet	Provningsstandard
Water absorption to saturation	3.6	%	ISO 62
Water Absorption to Saturation	5.5	%	ISO 62

Impact Resistance

Egenskap	V�rde	Enhet	Provningsstandard
Notched impact strength (Charpy)	6	kJ/m ²	ISO 179/1eA
Impact Resistance (Charpy)	50	kJ/m ²	ISO 179/1eU

Thermal Expansion

Egenskap	V�rde	Enhet	Provningsstandard
Thermal Expansion Coefficient	0.5	10 ⁻⁶ /K	ISO 11359

Hardness

Egenskap	V�rde	Enhet	Provningsstandard
Hardness Shore D	85	� Shore D	ISO 868
Ball pressure hardness	165	MPa	ISO 2039-1

Godk nanden

REACH

RoHS