



## PA6 E 56x1000 mm natur

Artikelnr P1000908

Kategori PA

### Tekniska egenskaper

#### Density & Weight

Egenskap	VÄrde	Enhet	Provningsstandard
Density	1.14	g/cm <sup>3</sup>	ISO 1183

#### Tensile Properties

Egenskap	VÄrde	Enhet	Provningsstandard
Tensile Strength	70	MPa	DIN EN ISO 527
Modulus of elasticity (tensile)	3250	MPa	ISO 527-2
Breakdown Voltage	75	MPa	ISO 527-2
Break Elongation	40	%	ISO 527-2

#### Temperature Limits

Egenskap	VÄrde	Enhet	Provningsstandard
Melting point	220	Å°C	ISO 3146
Maximal operating temperature (short-term)	160	Å°C	
Maximum Operating Temperature	90.5	Å°C	
Minimum temperature	-36	Å°C	
Heat deflection temperature (HDT/A)	70	Å°C	ISO 75-2
Heat deflection temperature (HDT/B)	140	Å°C	ISO 75-2
Vicat softening temperature (VST/B/50)	190	Å°C	ISO 306

#### Insulation Properties

Egenskap	VÄrde	Enhet	Provningsstandard
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Egenskap	V�rde	Enhet	Provningsstandard
Dielectric Strength	25	kV/mm	IEC 60243-1
Volume Resistivity	$10 \times 10^{12}$	$\Omega \cdot \text{cm}$	IEC 60093
Dielectric Constant (1 MHz)	3.7	-	IEC 60250
Dielectric Constant (100 Hz)	3.9	-	IEC 60250
Dielectric loss factor (1 MHz)	0.0	-	IEC 60250
Dielectric loss factor (100 Hz)	0.0	-	IEC 60250

### Fire Classification

Egenskap	V�rde	Enhet	Provningsstandard
Flammability Classification (UL 94)	3		UL 94

### Flexural Properties

Egenskap	V�rde	Enhet	Provningsstandard
Flexural Strength	76	MPa	ISO 527-2

### Thermal Conductivity

Egenskap	V�rde	Enhet	Provningsstandard
Thermal Conductivity	0.28	W/(m�K)	DIN 52612

### Static spread

Egenskap	V�rde	Enhet	Provningsstandard
Surface Resistivity	$10 \times 10^{13}$	$\Omega$	IEC 60093
Comparative Tracking Index (CTI)	600	V	IEC 60112

### Moisture Absorption

Egenskap	V�rde	Enhet	Provningsstandard
Water absorption to saturation	2.5	%	ISO 62
Water Absorption to Saturation	9	%	ISO 62

### Impact Resistance

Egenskap	V�rde	Enhet	Provningsstandard
Notched impact strength (Charpy)	5.5	kJ/m�	ISO 179/1eA

### Thermal Expansion

Egenskap	V�rde	Enhet	Provningsstandard
Thermal Expansion Coefficient	0.9	$10^{-6} / \text{K}$	ISO 11359

## Hardness

Egenskap	V�rde	Enhet	Provningsstandard
Hardness Shore D	82	� Shore D	DIN EN ISO 868
Ball pressure hardness	150	MPa	ISO 2039-1

## Godk nnanden

REACH

RoHS