



## POM C FG 90/50x1000 mm natur

Artikelnr P1007422

Kategori POM

### Tekniska egenskaper

#### Density & Weight

Egenskap	VÄrde	Enhet	Provningsstandard
Density	1.24	g/cm <sup>3</sup>	ASTM D792

#### Tensile Properties

Egenskap	VÄrde	Enhet	Provningsstandard
Tensile Strength	51	MPa	DIN EN ISO 527-2
Modulus of elasticity (tensile)	1200	MPa	ASTM D790
Breakdown Voltage	76.5	MPa	ISO 527
Break Elongation	300	%	ASTM D638

#### Temperature Limits

Egenskap	VÄrde	Enhet	Provningsstandard
Melting point	222	Å°C	ISO 3146
Maximal operating temperature (short-term)	129	Å°C	UL746B
Maximum Operating Temperature	90	Å°C	
Minimum temperature	-46.25	Å°C	
Heat deflection temperature (HDT/A)	105	Å°C	ASTM D648
Heat deflection temperature (HDT/B)	155	Å°C	ISO 75
Vicat softening temperature (VST/B/50)	50	Å°C	ISO 306

#### Insulation Properties

Egenskap	VÄrde	Enhet	Provningsstandard
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Egenskap	V�rde	Enhet	Provningsstandard
Dielectric Strength	85	kV/mm	IEC 60243-1
Volume Resistivity	$10^{12}$	$\Omega \cdot m$	IEC 60093
Dielectric Constant (1 MHz)	3.7	-	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)	60695		UL 94

### Flexural Properties

Egenskap	V�rde	Enhet	Provningsstandard
Flexural Strength	58	MPa	ASTM D638

### Thermal Conductivity

Egenskap	V�rde	Enhet	Provningsstandard
Thermal Conductivity	0.3	W/(m�K)	DIN 52612

### Static spread

Egenskap	V�rde	Enhet	Provningsstandard
Surface Resistivity	$10^{12}$	$\Omega \cdot m^2$	IEC 60093
Comparative Tracking Index (CTI)	600	V	IEC 60112

### Moisture Absorption

Egenskap	V�rde	Enhet	Provningsstandard
Water absorption to saturation	2.2	%	ASTM D955
Water Absorption to Saturation	0.5	%	ASTM D570

### Impact Resistance

Egenskap	V�rde	Enhet	Provningsstandard
Notched impact strength (Charpy)	6	$\text{kJ/m}^2$	DIN EN ISO 179-1
Impact Resistance (Charpy)	19	$\text{kJ/m}^2$	ISO 179/1eU

### Thermal Expansion

Egenskap	V�rde	Enhet	Provningsstandard
Thermal Expansion Coefficient	0.4	$10^{-6}/K$	ISO 11359

## Hardness

Egenskap	V�rde	Enhet	Provningsstandard
Hardness Shore D	83	� Shore D	ISO 868
Ball pressure hardness	230	MPa	ISO 2039-1

## Godk nnanden

EU 10/2011

FDA

REACH

RoHS