



## POM C 260x3000 mm traffic rÃ¶d

Artikelnr P1005227

Kategori POM

### Tekniska egenskaper

#### Density & Weight

Egenskap	VÃrde	Enhet	Provningsstandard
Density	1.24	g/cmÃ³	ASTM D792

#### Tensile Properties

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

#### Insulation Properties

Egenskap	VÃrde	Enhet	Provningsstandard
Dielectric Strength	85	kV/mm	IEC 60243-1

Egenskap	VÄrde	Enhet	Provningsstandard
Volume Resistivity	10 <sup>14</sup> Ω·m	Ω·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	VÄrde	Enhet	Provningsstandard
Flammability Classification (UL 94)	60695		UL 94

### Flexural Properties

Egenskap	VÄrde	Enhet	Provningsstandard
Flexural Strength	58	MPa	ASTM D638

### Thermal Conductivity

Egenskap	VÄrde	Enhet	Provningsstandard
Thermal Conductivity	0.3	W/(m·K)	DIN 52612

### Static spread

Egenskap	VÄrde	Enhet	Provningsstandard
Surface Resistivity	10 <sup>14</sup> Ω	Ω	IEC 60093
Comparative Tracking Index (CTI)	600	V	IEC 60112

### Moisture Absorption

Egenskap	VÄrde	Enhet	Provningsstandard
Water absorption to saturation	2.2	%	ASTM D955
Water Absorption to Saturation	0.5	%	ASTM D570

### Impact Resistance

Egenskap	VÄrde	Enhet	Provningsstandard
Notched impact strength (Charpy)	6	kJ/m <sup>2</sup>	DIN EN ISO 179-1
Impact Resistance (Charpy)	19	kJ/m <sup>2</sup>	ISO 179/1eU

### Thermal Expansion

Egenskap	VÄrde	Enhet	Provningsstandard
Thermal Expansion Coefficient	0.4	10 <sup>-6</sup> /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