POM CGL 140/80x1000 mm blÃ¥

Artikelnr P1008226
Kategori POM

Tekniska egenskaper

Density & Weight

Egenskap	VÃ□rde	Enhet	Provningsstandard
Density	1.24	g/cmÂ³	ASTM D792

Tensile Properties

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

Insulation Properties

Egenskap	VÃ□rde	Enhet	Provningsstandard

Egenskap	VÃ□rde	Enhet	Provningsstandard
Dielectric Strength	85	kV/mm	IEC 60243-1
Volume Resistivity	10Â¹Â²	â„¦	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	VÃ□rde	Enhet	Provningsstandard
Flammability Classification (UL 94)	60695		UL 94

Flexural Properties

Egenskap	VÃ□rde	Enhet	Provningsstandard
Flexural Strength	58	MPa	ASTM D638

Thermal Conductivity

Egenskap	VÃ□rde	Enhet	Provningsstandard
Thermal Conductivity	0.3	W/(mÂ·K)	DIN 52612

Static spread

Egenskap	VÃ□rde	Enhet	Provningsstandard
Surface Resistivity	10Â¹Â³	â„¦	IEC 60093
Comparative Tracking Index (CTI)	600	V	IEC 60112

Moisture Absorption

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

Impact Resistance

Egenskap	VÃ□rde	Enhet	Provningsstandard
Notched impact strength (Charpy)	6	kJ/mÂ²	DIN EN ISO 179-1
Impact Resistance (Charpy)	19	kJ/mÂ²	ISO 179/1eU

Thermal Expansion

Egenskap	VÃ□rde	Enhet	Provningsstandard
Thermal Expansion Coefficient	0.4	10â»â´/K	ISO 11359

Hardness

Egenskap	VÃ□rde	Enhet	Provningsstandard
Hardness Shore D	83	Â° Shore D	ISO 868
Ball pressure hardness	230	MPa	ISO 2039-1