



PlastShop

PMMA E 40/34x2000 mm transparent

Artikelnr P1200728
Kategori PMMA

Tekniska egenskaper

Density & Weight

Egenskap	V�rde	Enhet	Provningsstandard
Density	1.19	g/cm���	ISO 1183

Tensile Properties

Egenskap	V�rde	Enhet	Provningsstandard
Tensile Strength	72	MPa	ISO 527
Modulus of elasticity (tensile)	3300	MPa	ISO 527-2
Breakdown Voltage	70	MPa	ISO 527-2
Break Elongation	5	%	ISO 527-2

Temperature Limits

Egenskap	V�rde	Enhet	Provningsstandard
Melting point	160	��C	ISO 3146
Maximal operating temperature (short-term)	107.5	��C	UL746B
Maximum Operating Temperature	75	��C	
Minimum temperature	-40	��C	
Heat deflection temperature (HDT/A)	95	��C	ISO 75
Heat deflection temperature (HDT/B)	100	��C	ISO 75
Vicat softening temperature (VST/B/50)	103	��C	ISO 306

Insulation Properties

Egenskap	V�rde	Enhet	Provningsstandard
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Egenskap	VÄrde	Enhet	Provningsstandard
Dielectric Strength	30	kV/mm	IEC 60243-1
Volume Resistivity	10 ¹⁴ Ω·m	Ω·m	IEC 60093
Dielectric Constant (1 MHz)	1	-	IEC 60250
Dielectric Constant (100 Hz)	2.7	-	DIN 53483-2
Dielectric loss factor (1 MHz)	0.03	-	IEC 60250
Dielectric loss factor (100 Hz)	0.06	-	DIN 53483-2

Flexural Properties

Egenskap	VÄrde	Enhet	Provningsstandard
Flexural Strength	75	MPa	ISO 527-2

Thermal Conductivity

Egenskap	VÄrde	Enhet	Provningsstandard
Thermal Conductivity	0.19	W/(m·K)	DIN 52612

Static spread

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

Moisture Absorption

Egenskap	VÄrde	Enhet	Provningsstandard
Water absorption to saturation	2.1	%	ISO 62
Water Absorption to Saturation	2.1	%	ISO 62

Impact Resistance

Egenskap	VÄrde	Enhet	Provningsstandard
Notched impact strength (Charpy)	1.6	kJ/m ²	ISO 179/1eA
Impact Resistance (Charpy)	15	kJ/m ²	ISO 179/1eU

Thermal Expansion

Egenskap	VÄrde	Enhet	Provningsstandard
Thermal Expansion Coefficient	0.0	10 ⁻⁶ /K	DIN 11359

Hardness

Egenskap	VÄrde	Enhet	Provningsstandard
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Egenskap	V�rde	Enhet	Provningsstandard
Hardness Shore D	15	� Shore D	
Rockwell hardness	100	M-scale	ISO 2039-2
Ball pressure hardness	175	MPa	ISO 2039-1

Godk nnanden

- REACH
- RoHS