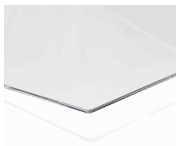
Tekniskt datablad

PlastShop.se - 2026-03-27



PMMA E 2050x1520x8 mm transparent

Artikelnr	P1203058
Material	PMMA

Tekniska egenskaper

Density & Weight

Egenskap	Värde	Enhet	Provningsstandard
Density	**1.19**	g/cm³	ISO 1183

Tensile Properties

Egenskap	Värde	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	Värde	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	Värde	Enhet	Provningsstandard
Dielectric Strength	**30**	kV/mm	IEC 60243-1
Volume Resistivity	**10^{15}**	Ω·cm	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^{13}**	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/m²	ISO 179/1eA
Impact Resistance (Charpy)	**15**	kJ/m²	ISO 179/1eU

Thermal Expansion

Egenskap	Värde	Enhet	Provningsstandard
Thermal Expansion Coefficient	**0.0**	10^{-4}/K	DIN 11359

Hardness

Egenskap	Värde	Enhet	Provningsstandard

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Hardness Shore D	**15**	° Shore D	
Rockwell hardness	**100**	M-scale	ISO 2039-2
Ball pressure hardness	**175**	MPa	ISO 2039-1

Godkännanden

REACH RoHS