



PMMA E 50/46x2000 mm transparent

Artikelnr P1200733

1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Density	1.19	g/cm³	ISO 1183
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
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
Dielectric Strength	30	kV/mm	IEC 60243-1
Volume Resistivity	10¹¹ µ	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 Strength	75	MPa	ISO 527-2
Thermal Conductivity	0.19	W/(m·K)	DIN 52612
Surface Resistivity	10¹¹ Ω³	Ω	IEC 60093
Comparative Tracking Index (CTI)	600	V	IEC 60112
Water absorption to saturation	2.1	%	ISO 62
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Notched impact strength (Charpy)	1.6	kJ/m²	ISO 179/1eA
Impact Resistance (Charpy)	15	kJ/m²	ISO 179/1eU
Thermal Expansion Coefficient	0.0	10⁻⁵ /K	DIN 11359

Egenskap	Värde	Enhet	Standard
Hardness Shore D	15	Å° Shore D	
Rockwell hardness	100	M-scale	ISO 2039-2
Ball pressure hardness	175	MPa	ISO 2039-1

2. Kemisk beständighet

● Beständig
 ● Delvis beständig
 ● Ej beständig

Kemikalie	Konc.	Resultat
Acetic acid	100%	●
Acetone	100%	●
Ammonia	conc.	●
Amyl alcohol	â€”	●
Apple juice	â€”	●
Benzene	â€”	●
Butyl acetate	â€”	●
Calcium chloride	â€”	●
Carbon disulphide	100%	●
Carbon tetrachloride	â€”	●
Chlorine gas	100%	●
Chloroform	â€”	●
Citric acid	10%	●
Cresol	â€”	●
Cyclohexanone	100%	●
Cyclohexene	100%	●
Diesel	â€”	●
Diethylene oxide	â€”	●
Ethyl acetate	100%	●
Ethyl alcohol (ethanol)	96%	●
Ethylene chloride	100%	●
Formaldehyde, aqueous	40%	●
Formic acid	10%	●
Fuel oil	â€”	●
Fuel, aromatic free	â€”	●
Glycerine	100%	●
Glycol	100%	●

Kemikalie	Konc.	Resultat
Sulphuric acid	96%	●
Tetrahydrofuran (THF)	100%	●
Toluene	100%	●
Transformer oil	â€”	●
Trichloroethylene	100%	●
Vinegar, standard	5-10%	●
Water	â€”	●
Xylene	â€”	●