PMMA E 3050x2050x3 mm transparent 92%

Artikelnr P1200670

1. Tekniskt datablad

Egenskap	VÃ□rde	Enhet	Standard
Density	1.19	g/cmÂ³	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	Â°C	ISO 3146
Maximal operating temperature (short-term)	107.5	Â°C	UL746B
Maximum Operating Temperature	75	Â°C	
Minimum temperature	-40	Â°C	
Heat deflection temperature (HDT/A)	95	Â°C	ISO 75
Heat deflection temperature (HDT/B)	100	Â°C	ISO 75
Vicat softening temperature (VST/B/50)	103	Â°C	ISO 306
Dielectric Strength	30	kV/mm	IEC 60243-1
Volume Resistivity	10Â¹âµ	Î©Â·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/(mÂ·K)	DIN 52612
Surface Resistivity	10Â¹Â³	Î©	IEC 60093
Comparative Tracking Index (CTI)	600	V	IEC 60112
Water absorption to saturation	2.1	%	ISO 62
Water Absorption to Saturation	2.1	%	ISO 62
Notched impact strength (Charpy)	1.6	kJ/mÂ²	ISO 179/1eA
Impact Resistance (Charpy)	15	kJ/mÂ²	ISO 179/1eU
Thermal Expansion Coefficient	0.0	10â»â´/K	DIN 11359

Egenskap	VÃ□rde	Enhet	Standard
Hardness Shore D	15	Â° Shore D	
Rockwell hardness	100	M-scale	ISO 2039-2
Ball pressure hardness	175	MPa	ISO 2039-1

2. Kemisk bestÃ¤ndighet

🟢 BestÃ□ndig 🟡 Delvis bestÃ□ndig 🔴 Ej bestÃ□ndig

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
Heptane	100%	🟢
Hydrochloric acid	10%	🟢
Hydrochloric acid (concentrated)	conc.	🟢
Hydrofluoric acid	40%	🔴
Hydrogen peroxide	10%	🟢
Hydrogen sulfide, aqueous	â€”	🟢
Isopropyl alcohol	100%	🟢
Linseed oil	â€”	🟢
Mercurochrome	â€”	🔴
Methyl alcohol (methanol)	100%	🔴
Methyl ethyl ketone (MEK)	100%	🔴
Methylene chloride	100%	🔴
Milk	â€”	🟢
Mineral oils, aromatic free	â€”	🟢
Nitric acid	10%	🟢
Nitric acid (50%)	50%	🔴
Nitrobenzene	â€”	🔴
Oxalic acid	â€”	🟢
Ozone (gas)	â‰¤ 0.5 ppm	🟢
Paraffin oil	100%	🟢
Perchloroethylene	â€”	🟡
Petroleum	100%	🟡
Petroleum ether	100%	🟢
Phenol, aqueous	ca. 9%	🔴
Phosphoric acid	50%	🔴
Potassium hydroxide solution	50%	🟢
Premium fuel	â€”	🔴
Silicone oil	â€”	🟢
Sodium carbonate, aqueous	â€”	🟢
Sodium chloride, aqueous	â€”	🟢
Sodium hydrogen sulfite	â€”	🟢
Sodium hydroxide solution (60%)	60%	🔴
Sodium hydroxide solution (caustic soda)	15%	🟢
Sodium thiosulfate	â€”	🟢

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