



PET 45x1000 mm natur

Artikelnr P1003597
Material PET

1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Density	1.46	g/cm³	ISO 1183
Tensile Strength	52	MPa	ISO 527
Modulus of elasticity (tensile)	3400	MPa	ISO 527-2
Breakdown Voltage	58	MPa	ISO 527
Break Elongation	5	%	ISO 527-2
Melting point	224	°C	ISO 3146
Maximal operating temperature (short-term)	138.75	°C	UL746B
Maximum Operating Temperature	97	°C	
Minimum temperature	-25	°C	
Heat deflection temperature (HDT/A)	85	°C	ISO 75
Heat deflection temperature (HDT/B)	100	°C	ISO 75
Vicat softening temperature (VST/B/50)	219	°C	ISO 306
Dielectric Strength	22	kV/mm	IEC 60243-1
Volume Resistivity	10 ¹⁸	Ω·cm	DIN EN 62631-3-1
Dielectric Constant (1 MHz)	3.3	-	IEC 60250
Dielectric loss factor (1 MHz)	0.0	-	IEC 60250
Dielectric loss factor (100 Hz)	0.0	-	IEC 60250
Flexural Strength	75.25	MPa	ISO 178
Thermal Conductivity	0.33	W/(m·K)	DIN 52612
Surface Resistivity	10 ¹⁴	Ω	IEC 60093
Comparative Tracking Index (CTI)	600	V	IEC 60112
Water absorption to saturation	0.02	%	ISO 62
Water Absorption to Saturation	0.02	%	ISO 62
Notched impact strength (Charpy)	90	kJ/m²	ISO 180
Impact Resistance (Charpy)	37	kJ/m²	ISO 179/1eU

Egenskap	Värde	Enhet	Standard
Thermal Expansion Coefficient	0.8	10 ⁻⁴ /K	DIN 11359
Hardness Shore D	77	° Shore D	ISO 868
Rockwell hardness	112	M-scale	
Ball pressure hardness	166	MPa	ISO 2039

2. Kemisk beständighet

● Beständig
 ● Delvis beständig
 ● Ej beständig

Kemikalie	Konc.	Resultat
1,4-Dioxane	100	●
1,4-Dioxane	100	●
Acetic acid	100	●
Acetic acid	100	●
Acetic acid	100%	●
Acetone	100	●
Acetone	100	●
Ammonia	conc.	●
Ammonia	conc.	●
Apple juice	-	●
Apple juice	-	●
Benzene	-	●
Benzene	-	●
Bleaching solution	-	●
Brake fluid	-	●
Brake fluid	-	●
Butyl acetate	-	●
Butyl acetate	-	●
Calcium chloride	-	●
Calcium chloride	-	●
Carbon disulphide	100	●
Carbon disulphide	100	●
Carbon tetrachloride	-	●
Carbon tetrachloride	-	●
Carbon tetrachloride	-	●
Chlorobenzene	100	●
Chlorobenzene	100	●

Kemikalie	Konc.	Resultat
Chlorobenzene	100%	
Chloroform	-	
Chloroform	-	
Citric acid	10	
Citric acid	10	
Diesel	-	
Diesel	-	
Diethylene oxide	-	
Diethylene oxide	-	
Ethyl acetate	100	
Ethyl acetate	100	
Ethyl alcohol (ethanol)	96%	
Ethyl alcohol (ethanol)	96	
Ethyl alcohol (ethanol)	96	
Ethylene chloride	100	
Ethylene chloride	100	
Food oil	-	
Food oil	-	
Food oil	-	
Formic acid	10	
Formic acid	10	
Frost protection agent	-	
Frost protection agent	-	
Fuel oil	-	
Fuel oil	-	
Fuel, aromatic free	-	
Fuel, aromatic free	-	
Glycerine	100	
Glycerine	100	
Glycerine	100%	
Glycol	100	
Glycol	100	
Heptane	100	
Heptane	100	

Kemikalie	Konc.	Resultat
Hydrochloric acid	conc.	
Hydrochloric acid	10	
Hydrochloric acid	conc.	
Hydrochloric acid	10	
Hydrochloric acid (concentrated)	conc.	
Hydrofluoric acid	40	
Hydrofluoric acid	40%	
Hydrofluoric acid	40	
Hydrogen peroxide	10	
Hydrogen peroxide	10	
Hydrogen sulfide, aqueous	-	
Isopropyl alcohol	100	
Isopropyl alcohol	100	
Isopropyl alcohol	100%	
Linseed oil	-	
Linseed oil	-	
Mercurochrome	-	
Methyl alcohol (methanol)	100	
Methyl alcohol (methanol)	100%	
Methyl alcohol (methanol)	100	
Methyl ethyl ketone (MEK)	100	
Methyl ethyl ketone (MEK)	100	
Methylene chloride	100	
Methylene chloride	100	
Milk	-	
Milk	-	
Mineral oils, aromatic free	-	
Mineral oils, aromatic free	-	
Nitric acid	50	
Nitric acid	10	
Nitric acid	50	
Nitric acid	10%	
Nitric acid	10	
Paraffin oil	100	
Paraffin oil	100	

Kemikalie	Konc.	Resultat
Perchloroethylene	-	
Perchloroethylene	-	
Petroleum	100	
Petroleum	100%	
Petroleum ether	100	
Petroleum ether	100%	
Petroleum ether	100	
Phenol, aqueous	ca.9	
Phosphoric acid	50	
Phosphoric acid	50	
Potassium hydroxide solution	50	
Potassium hydroxide solution	50	
Premium fuel	-	
Premium fuel	-	
Propyl alcohol	-	
Propyl alcohol	-	
Silicone oil	-	
Silicone oil	-	
Sodium carbonate, aqueous	-	
Sodium carbonate, aqueous	-	
Sodium chloride, aqueous	-	
Sodium chloride, aqueous	-	
Sodium hydrogen sulfite	-	
Sodium hydrogen sulfite	-	
Sodium hydrogen sulfite	-	
Sodium hydroxide solution (caustic soda)	60	
Sodium hydroxide solution (caustic soda)	60	
Sodium hydroxide solution (caustic soda)	15	
Sodium hydroxide solution (caustic soda)	15	
Sodium nitrate, aqueous	-	
Sodium thiosulfate	-	
Sulphuric acid	96	
Sulphuric acid	96	
Tetrahydrofuran (THF)	100	
Tetrahydrofuran (THF)	100	

Kemikalie	Konc.	Resultat
Toluene	100%	
Toluene	100	
Toluene	100	
Transformer oil	-	
Transformer oil	-	
Trichloroethylene	100	
Trichloroethylene	100	
Vinegar, standard	5-10%	
Vinegar, standard	5-10	
Vinegar, standard	5-10	
Water	-	
Water	-	
Xylene	-	
Xylene	-	