



PET 45x1000 mm natural

Artikelnr P1003597
Material PET

1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Densidad	1.46	g/cm³	ISO 1183
Límite de resistencia a la tracción	52	MPa	ISO 527
Módulo de elasticidad (tracción)	3400	MPa	ISO 527-2
Resistencia a la tensión	58	MPa	ISO 527
Deformación a la rotura	5	%	ISO 527-2
Punto de fusión	224	°C	ISO 3146
Temperatura de servicio máxima (corto plazo)	138.75	°C	UL746B
Temperatura de funcionamiento máxima	97	°C	
Temperatura mínima	-25	°C	
Deformación térmica (HDT/A)	85	°C	ISO 75
Deformación térmica (HDT/B)	100	°C	ISO 75
Temperatura de ablandamiento Vicat (VST/B/50)	219	°C	ISO 306
Fuerza dieléctrica	22	kV/mm	IEC 60243-1
Resistividad volumétrica	10 ¹⁸	Ω·cm	DIN EN 62631-3-1
Constante dieléctrica (1 MHz)	3.3	-	IEC 60250
Factor de pérdida dieléctrica (1 MHz)	0.0	-	IEC 60250
Factor de pérdida dieléctrica (100 Hz)	0.0	-	IEC 60250
Resistencia a la flexión	75.25	MPa	ISO 178
Conductividad térmica	0.33	W/(m·K)	DIN 52612
Resistencia superficial	10 ¹⁴	Ω	IEC 60093
Índice de seguimiento comparativo (CTI)	600	V	IEC 60112
Absorción de agua hasta la saturación	0.02	%	ISO 62
Absorción de agua hasta la saturación	0.02	%	ISO 62
Resistencia al impacto con entalla (Charpy)	90	kJ/m²	ISO 180
Resistencia al impacto (Charpy)	37	kJ/m²	ISO 179/1eU

Egenskap	Värde	Enhet	Standard
Coeficiente de expansión térmica	0.8	10 ⁻⁴ /K	DIN 11359
Dureza Shore D	77	° Shore D	ISO 868
Dureza Rockwell	112	M-scale	
Dureza a la presión de bala	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	-	