PET 2000x1000x2,5 mm natural

Artikelnr P1003818

1. Tekniskt datablad

Egenskap	VÃ□rde	Enhet	Standard
Density	1.46	g/cmÂ³	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	Â°C	ISO 3146
Maximal operating temperature (short-term)	138.75	Â°C	UL746B
Maximum Operating Temperature	97	Â°C	
Minimum temperature	-25	Â°C	
Heat deflection temperature (HDT/A)	85	Â°C	ISO 75
Heat deflection temperature (HDT/B)	100	Â°C	ISO 75
Vicat softening temperature (VST/B/50)	219	Â°C	ISO 306
Dielectric Strength	22	kV/mm	IEC 60243-1
Volume Resistivity	10Â¹â¸	Î©Â·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/(mÂ·K)	DIN 52612
Surface Resistivity	10Â¹â´	Î©	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/mÂ²	ISO 180
Impact Resistance (Charpy)	37	kJ/mÂ²	ISO 179/1eU
Thermal Expansion Coefficient	0.8	10â»â´/K	DIN 11359

Egenskap	VÃ□rde	Enhet	Standard
Hardness Shore D	77	Â° Shore D	ISO 868
Rockwell hardness	112	M-scale	
Ball pressure hardness	166	MPa	ISO 2039

2. Kemisk bestÃ¤ndighet

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

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	â€”	🟢
Apple juice	â€”	🟢
Benzene	â€”	🟡
Benzene	â€”	🔴
Bleaching solution	â€”	🟢
Brake fluid	â€”	🟢
Brake fluid	â€”	🟢
Butyl acetate	â€”	🟢
Butyl acetate	â€”	🟢
Calcium chloride	â€”	🟢
Calcium chloride	â€”	🟢
Carbon disulphide	100	🟡
Carbon disulphide	100	🟢
Carbon tetrachloride	â€”	🟢
Carbon tetrachloride	â€”	🟢
Carbon tetrachloride	â€”	🟡
Chlorobenzene	100%	🟢
Chlorobenzene	100	🔴
Chlorobenzene	100	🔴

Kemikalie	Konc.	Resultat
Chloroform	â€”	🔴
Chloroform	â€”	🔴
Citric acid	10	🟢
Citric acid	10	🟡
Diesel	â€”	🟢
Diesel	â€”	🟢
Diethylene oxide	â€”	🟢
Diethylene oxide	â€”	🟢
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	â€”	🟢
Food oil	â€”	🟢
Food oil	â€”	🟢
Formic acid	10	🟢
Formic acid	10	🟡
Frost protection agent	â€”	🟢
Frost protection agent	â€”	🟡
Fuel oil	â€”	🟢
Fuel oil	â€”	🟢
Fuel, aromatic free	â€”	🟢
Fuel, aromatic free	â€”	🟢
Glycerine	100	🟢
Glycerine	100	🟢
Glycerine	100%	🟢
Glycol	100	🟡
Glycol	100	🟢
Heptane	100	🟢
Heptane	100	🟢
Hydrochloric acid	conc.	🔴

Kemikalie	Konc.	Resultat
Hydrochloric acid	10	🟡
Hydrochloric acid	10	🟢
Hydrochloric acid	conc.	🔴
Hydrochloric acid (concentrated)	conc.	🟢
Hydrofluoric acid	40%	🟢
Hydrofluoric acid	40	🔴
Hydrofluoric acid	40	🔴
Hydrogen peroxide	10	🟢
Hydrogen peroxide	10	🟡
Hydrogen sulfide, aqueous	â€”	🟢
Isopropyl alcohol	100	🟡
Isopropyl alcohol	100%	🟢
Isopropyl alcohol	100	🟢
Linseed oil	â€”	🟢
Linseed oil	â€”	🟢
Mercurochrome	â€”	🟢
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	â€”	🟢
Milk	â€”	🟢
Mineral oils, aromatic free	â€”	🟢
Mineral oils, aromatic free	â€”	🟢
Nitric acid	50	🔴
Nitric acid	50	🔴
Nitric acid	10%	🟢
Nitric acid	10	🟢
Nitric acid	10	🟡
Paraffin oil	100	🟢
Paraffin oil	100	🟢
Perchloroethylene	â€”	🔴

Kemikalie	Konc.	Resultat
Perchloroethylene	â€”	🟢
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	â€”	🟡
Premium fuel	â€”	🟢
Propyl alcohol	â€”	🔴
Propyl alcohol	â€”	🟢
Silicone oil	â€”	🟢
Silicone oil	â€”	🟢
Sodium carbonate, aqueous	â€”	🟢
Sodium carbonate, aqueous	â€”	🟢
Sodium chloride, aqueous	â€”	🟢
Sodium chloride, aqueous	â€”	🟢
Sodium hydrogen sulfite	â€”	🟢
Sodium hydrogen sulfite	â€”	🟢
Sodium hydrogen sulfite	â€”	🟡
Sodium hydroxide solution (caustic soda)	15	🔴
Sodium hydroxide solution (caustic soda)	60	🔴
Sodium hydroxide solution (caustic soda)	60	🔴
Sodium hydroxide solution (caustic soda)	15	🔴
Sodium nitrate, aqueous	â€”	🟢
Sodium thiosulfate	â€”	🟢
Sulphuric acid	96	🔴
Sulphuric acid	96	🔴
Tetrahydrofuran (THF)	100	🔴
Tetrahydrofuran (THF)	100	🔴

Kemikalie	Konc.	Resultat
Toluene	100	🔴
Toluene	100	🟢
Toluene	100%	🟢
Transformer oil	â€”	🟢
Transformer oil	â€”	🟢
Trichloroethylene	100	🔴
Trichloroethylene	100	🟡
Vinegar, standard	5-10	🟡
Vinegar, standard	5-10	🟢
Vinegar, standard	5-10%	🟢
Water	â€”	🟢
Water	â€”	🔴
Xylene	â€”	🟡
Xylene	â€”	🔴