

## PET 1000x610x10 mm natur

Artikelnr P1003778

Material PET

### 1. Tekniskt datablad

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

Egenskap	Värde	Enhet	Standard
Thermal Expansion Coefficient	<b>0.8</b>	10 <sup>-4</sup> /K	DIN 11359
Hardness Shore D	<b>77</b>	° Shore D	ISO 868
Rockwell hardness	<b>112</b>	M-scale	
Ball pressure hardness	<b>166</b>	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	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	-	●
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	50	●
Nitric acid	10%	●
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)	15	●
Sodium hydroxide solution (caustic soda)	60	●
Sodium hydroxide solution (caustic soda)	60	●
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	-	●