

# PET 1000x1000x100 mm black

Artikelnr P1003738

## 1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Density	1.46	g/cm <sup>3</sup>	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	Å°C	ISO 3146
Maximal operating temperature (short-term)	138.75	Å°C	UL746B
Maximum Operating Temperature	97	Å°C	
Minimum temperature	-25	Å°C	
Heat deflection temperature (HDT/A)	85	Å°C	ISO 75
Heat deflection temperature (HDT/B)	100	Å°C	ISO 75
Vicat softening temperature (VST/B/50)	219	Å°C	ISO 306
Dielectric Strength	22	kV/mm	IEC 60243-1
Volume Resistivity	10 <sup>14</sup> Å	ÎÅ-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/(mÅ-K)	DIN 52612
Surface Resistivity	10 <sup>14</sup> Å	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/mÅ <sup>2</sup>	ISO 180
Impact Resistance (Charpy)	37	kJ/mÅ <sup>2</sup>	ISO 179/1eU
Thermal Expansion Coefficient	0.8	10 <sup>-6</sup> Å/K	DIN 11359

Egenskap	V�rde	Enhet	Standard
Hardness Shore D	77	� Shore D	ISO 868
Rockwell hardness	112	M-scale	
Ball pressure hardness	166	MPa	ISO 2039

## 2. Kemisk best ndighet

● Best ndig
 ● Delvis best ndig
 ● Ej best 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	��	●
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	●
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	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	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	10	●
Nitric acid	50	●
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)	60	●
Sodium hydroxide solution (caustic soda)	60	●
Sodium hydroxide solution (caustic soda)	15	●
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€”	●