



## PE-1000 3000x1250x70 mm natur

Artikelnr P2200685

Material PE

### 1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Density	<b>0.95</b>	g/cm <sup>3</sup>	ISO 1183
Tensile Strength	<b>17</b>	MPa	ISO 527
Modulus of elasticity (tensile)	<b>800</b>	MPa	DIN EN ISO 527-1/2
Breakdown Voltage	<b>40</b>	MPa	ISO 527
Break Elongation	<b>200</b>	%	ISO 527
Melting point	<b>135</b>	°C	ISO 3146
Maximal operating temperature (short-term)	<b>100</b>	°C	
Maximum Operating Temperature	<b>64</b>	°C	
Minimum temperature	<b>-214</b>	°C	UL746B
Heat deflection temperature (HDT/A)	<b>42</b>	°C	ISO 75
Heat deflection temperature (HDT/B)	<b>65</b>	°C	ISO 75
Vicat softening temperature (VST/B/50)	<b>79</b>	°C	DIN EN ISO 306
Dielectric Strength	<b>45</b>	kV/mm	IEC 60243-1
Volume Resistivity	<b>1</b>	Ω	IEC 60093
Dielectric Constant (1 MHz)	<b>2.3</b>	-	IEC 60250
Dielectric Constant (100 Hz)	<b>2.55</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
Flammability Classification (UL 94)	<b>3</b>		UL 94
Flexural Strength	<b>17</b>	MPa	ISO 527-2
Thermal Conductivity	<b>0.4</b>	W/(m·K)	DIN 52612
Surface Resistivity	<b>10<sup>12</sup></b>	Ω	IEC 60093
Comparative Tracking Index (CTI)	<b>600</b>	V	IEC 60112
Water absorption to saturation	<b>0.01</b>	%	
Water Absorption to Saturation	<b>0.01</b>	%	ISO 62

Egenskap	Värde	Enhet	Standard
Notched impact strength (Charpy)	80	kJ/m <sup>2</sup>	ISO 11542-2
Impact Resistance (Charpy)	80	kJ/m <sup>2</sup>	DIN EN ISO 179-1/2
Thermal Expansion Coefficient	2	10 <sup>-4</sup> /K	ISO 11359
Hardness Shore D	60	° Shore D	shore D
Ball pressure hardness	34	MPa	ISO 2039-1
Creep Voltage at 1% Elongation	24	MPa	ISO 178

## 2. Kemisk beständighet

● Beständig
 ● Delvis beständig
 ● Ej beständig

Kemikalie	Konc.	Resultat
1,4-Dioxane	100	●
2-Hydroxypropionic acid (lactic acid)	90	●
Acetic acid	100	●
Acetone	100	●
Ammonia	-	●
Ammonium chloride	-	●
Amyl alcohol	-	●
Benzene	-	●
Boric acid	100	●
Brake fluid	-	●
Butyl acetate	-	●
Calcium chloride	-	●
Citric acid	10	●
Cresol	-	●
Cyclohexanone	100	●
Cyclohexene	100	●
Diesel	-	●
Ethyl acetate	100	●
Ethyl alcohol (ethanol)	96	●
Food oil	-	●
Formaldehyde, aqueous	40	●
Formic acid	10	●
Frost protection agent	-	●
Fuel oil	-	●

Kemikalie	Konc.	Resultat
Fuel, aromatic free	-	●
Glycerine	100	●
Glycol	100	●
Heptane	100	●
Hydrochloric acid	10	●
Hydrochloric acid (concentrated)	-	●
Hydrogen peroxide	10	●
Isopropyl alcohol	100	●
Linseed oil	-	●
Mercurochrome	-	●
Methyl alcohol (methanol)	100	●
Methylene chloride	100	●
Milk	-	●
Mineral oils, aromatic free	-	●
Nitric acid	50	●
Nitric acid	10	●
Nitrobenzene	-	●
Oxalic acid	-	●
Ozone (gas)	≤ 0.5 ppm	●
Paraffin oil	100	●
Perchloroethylene	-	●
Petroleum ether	100	●
Phenol, aqueous	ca. 9	●
Phosphoric acid	50	●
Potassium hydroxide solution	50	●
Premium fuel	-	●
Propyl alcohol	-	●
Silicone oil	-	●
Sodium carbonate, aqueous	-	●
Sodium chloride, aqueous	-	●
Sodium hydrogen sulfite	-	●
Sodium hydroxide solution (caustic soda)	60	●
Sodium hydroxide solution (caustic soda)	15	●
Sodium nitrate, aqueous	-	●
Sodium thiosulfate	-	●

Kemikalie	Konc.	Resultat
Sulphuric acid	96	●
Transformer oil	-	●
Vinegar, standard	5 - 10	●
Water	-	●
Xylene	-	●