PE-1000 4000x2000x35 mm natur

Artikelnr P1400557

1. Tekniskt datablad

Egenskap	VÃ□rde	Enhet	Standard
Density	0.95	g/cmÂ³	ISO 1183
Tensile Strength	17	MPa	ISO 527
Modulus of elasticity (tensile)	800	MPa	DIN EN ISO 527-1/2
Breakdown Voltage	40	MPa	ISO 527
Break Elongation	200	%	ISO 527
Melting point	135	Â°C	ISO 3146
Maximal operating temperature (short-term)	100	Â°C	
Maximum Operating Temperature	64	Â°C	
Minimum temperature	-214	Â°C	UL746B
Heat deflection temperature (HDT/A)	42	Â°C	ISO 75
Heat deflection temperature (HDT/B)	65	Â°C	ISO 75
Vicat softening temperature (VST/B/50)	79	Â°C	DIN EN ISO 306
Dielectric Strength	45	kV/mm	IEC 60243-1
Volume Resistivity	1	â„¦	IEC 60093
Dielectric Constant (1 MHz)	2.3	-	IEC 60250
Dielectric Constant (100 Hz)	2.55	-	IEC 60250
Dielectric loss factor (1 MHz)	0.0	-	IEC 60250
Dielectric loss factor (100 Hz)	0.0	-	IEC 60250
Flammability Classification (UL 94)	3		UL 94
Flexural Strength	17	MPa	ISO 527-2
Thermal Conductivity	0.4	W/(mÂ·K)	DIN 52612
Surface Resistivity	10Â¹Â²	Î©	IEC 60093
Comparative Tracking Index (CTI)	600	V	IEC 60112
Water absorption to saturation	0.01	%	
Water Absorption to Saturation	0.01	%	ISO 62
Notched impact strength (Charpy)	80	kJ/mÂ²	ISO 11542-2
Impact Resistance (Charpy)	80	kJ/mÂ²	DIN EN ISO 179-1/2

Egenskap	VÃ□rde	Enhet	Standard
Thermal Expansion Coefficient	2	10â»â´/K	ISO 11359
Hardness Shore D	60	Â° Shore D	shore D
Ball pressure hardness	34	MPa	ISO 2039-1
Creep Voltage at 1% Elongation	24	MPa	ISO 178

2. Kemisk bestÃ¤ndighet

BestÃ□ndig Delvis bestÃ□ndig Ej bestÃ□ndig

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

Kemikalie	Konc.	Resultat
Glycol	100	🟢
Heptane	100	🟢
Hydrochloric acid	10	🟢
Hydrochloric acid (concentrated)	â€”	🟢
Hydrogen peroxide	10	🟢
Isopropyl alcohol	100	🟢
Linseed oil	â€”	🟢
Mercurochrome	â€”	🟢
Methyl alcohol (methanol)	100	🟢
Methylene chloride	100	🟡
Milk	â€”	🟢
Mineral oils, aromatic free	â€”	🟢
Nitric acid	50	🟡
Nitric acid	10	🟢
Nitrobenzene	â€”	🟢
Oxalic acid	â€”	🟢
Ozone (gas)	â‰¤ 0.5 ppm	🟢
Paraffin oil	100	🟢
Perchloroethylene	â€”	🟡
Petroleum ether	100	🟢
Phenol, aqueous	ca. 9	🟢
Phosphoric acid	50	🟢
Potassium hydroxide solution	50	🟢
Premium fuel	â€”	🟢
Propyl alcohol	â€”	🟢
Silicone oil	â€”	🟢
Sodium carbonate, aqueous	â€”	🟢
Sodium chloride, aqueous	â€”	🟢
Sodium hydrogen sulfite	â€”	🟢
Sodium hydroxide solution (caustic soda)	60	🟢
Sodium hydroxide solution (caustic soda)	15	🟢
Sodium nitrate, aqueous	â€”	🟢
Sodium thiosulfate	â€”	🟢
Sulphuric acid	96	🟡

Kemikalie	Konc.	Resultat
Transformer oil	â€”	
Vinegar, standard	5 - 10	
Water	â€”	
Xylene	â€”	

This document is for informational purposes only. Specifications may change without notice. Generated 2026-03-19