



Komplett teknisk dokumentation

PlastShop.se - 2026-03-29

POM H 40x3000 mm natur

Artikelnr P1008655
Material POM

1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Density	3	g/cm³	DIN EN ISO 1183-1
Tensile Strength	53	MPa	DIN EN ISO 527-2
Modulus of elasticity (tensile)	3000	MPa	DIN EN ISO 527-2
Break Elongation	8	%	DIN EN ISO 527-2
Melting point	179	°C	DIN EN ISO 11357
Maximal operating temperature (short-term)	150	°C	
Maximum Operating Temperature	110	°C	
Heat deflection temperature (HDT/A)	141	°C	
Vicat softening temperature (VST/B/50)	90	°C	DIN EN ISO 306
Dielectric Strength	23	kV/mm	ISO 60243-1
Volume Resistivity	10 ¹⁴	Ω	DIN EN 62631-3-1
Dielectric Constant (1 MHz)	2.4	-	IEC 60250
Flammability Classification (UL 94)	60695		UL 94
Flexural Strength	53	MPa	DIN EN ISO 527-2
Thermal Conductivity	0.46	W/(m·K)	ISO 22007-4
Surface Resistivity	10 ¹⁴	Ω	DIN EN 62631-3-2
Water absorption to saturation	0.1	%	DIN EN ISO 62
Notched impact strength (Charpy)	25	kJ/m²	DIN EN ISO 179-1
Impact Resistance (Charpy)	2	kJ/m²	DIN EN ISO 179-1
Thermal Expansion Coefficient	23	10 ⁻⁴ /K	DIN EN ISO 11359-1
Hardness Shore D	81	° Shore D	DIN EN ISO 868

2. Kemisk beständighet

Beständig Delvis beständig Ej beständig

Kemikalie	Konc.	Resultat
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Kemikalie	Konc.	Resultat
1,4-Dioxane	100%	
2-Hydroxypropionic Acid	90%	
Acetic Acid	100%	
Acetone	100%	
Ammonia	conc.	
Ammonium Chloride	-	
Amyl Alcohol	-	
Apple Juice	-	
Benzene	-	
Bleaching Solution	12.5 cl	
Boric Acid	100%	
Brake Fluid	-	
Butyl Acetate	-	
Calcium Chloride	-	
Carbon Disulfide	100%	
Carbon Tetrachloride	-	
Chlorine (gas)	100%	
Chlorobenzene	100%	
Chloroform	-	
Citric Acid	10%	
Cresol	-	
Cyclohexanone	100%	
Cyclohexene	100%	
Diesel Fuel	-	
Diethylene Oxide	-	
Ethyl Acetate	100%	
Ethyl Alcohol	96%	
Ethylene Chloride	100%	
Food Oil	-	
Formaldehyde, aqueous	40%	
Formic Acid	10%	
Frost Protection Agent	-	
Fuel, aromatic free	-	
Glycerine	100%	

Kemikalie	Konc.	Resultat
Glycol	100%	●
Heating Oil	-	●
Heptane	100%	●
Hydrochloric Acid	10%	●
Hydrochloric Acid (concentrated)	conc.	●
Hydrofluoric Acid	40%	●
Hydrogen Peroxide	10%	●
Hydrogen Sulfide, aqueous solution	-	●
Isopropyl Alcohol	100%	●
Linseed Oil	-	●
Mercurochrome	-	●
Methyl Alcohol	100%	●
Methyl Ethyl Ketone (MEK)	100%	●
Methylene Chloride	100%	●
Milk	-	●
Mineral Oils (aromatic free)	-	●
Nitric Acid	10%	●
Nitric Acid (50%)	50%	●
Nitrobenzene	-	●
Oxalic Acid	-	●
Ozone Gas	≤0.5 ppm	●
Paraffine Oil	100%	●
Perchloroethylene	-	●
Petroleum	100%	●
Petroleum Ether	100%	●
Phenol, aqueous	ca. 9%	●
Phosphoric Acid	50%	●
Potassium Hydroxide liquor	50%	●
Premium Fuel	-	●
Propyl Alcohol	-	●
Pyridine	-	●
Silicone Oil	-	●
Sodium Carbonate, aqueous	-	●
Sodium Chloride, aqueous	-	●
Sodium Hydrogen Sulfite	-	●

Kemikalie	Konc.	Resultat
Sodium Hydroxide liquor (15%)	15%	●
Sodium Hydroxide liquor (60%)	60%	●
Sodium Nitrate, aqueous	-	●
Sodium Thiosulfate	-	●
Sulfuric Acid	96%	●
Tetrahydrofuran, THF	100%	●
Toluene	100%	●
Transformer Oil	-	●
Trichloroethylene	100%	●
Vinegar, standard	5-10%	●
Water	-	●
Xylene	-	●