PLASTSHOP.SE

Komplett teknisk dokumentation

PlastShop.se - 2026-03-27

POM H 30x1000 mm svart

Artikelnr	P1008559
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

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	-	🟢