



POM CGL 100/50x1000 mm blå

Artikelnr P1008214
Material POM

1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Density	1.24	g/cm³	ASTM D792
Tensile Strength	51	MPa	DIN EN ISO 527-2
Modulus of elasticity (tensile)	1200	MPa	ASTM D790
Breakdown Voltage	76.5	MPa	ISO 527
Break Elongation	300	%	ASTM D638
Melting point	222	°C	ISO 3146
Maximal operating temperature (short-term)	129	°C	UL746B
Maximum Operating Temperature	90	°C	
Minimum temperature	-46.25	°C	
Heat deflection temperature (HDT/A)	105	°C	ASTM D648
Heat deflection temperature (HDT/B)	155	°C	ISO 75
Vicat softening temperature (VST/B/50)	50	°C	ISO 306
Dielectric Strength	85	kV/mm	IEC 60243-1
Volume Resistivity	10 ¹²	Ω	IEC 60093
Dielectric Constant (1 MHz)	3.7	-	IEC 60250
Dielectric loss factor (1 MHz)	0.0	-	IEC 60250
Dielectric loss factor (100 Hz)	0.0	-	IEC 60250
Flammability Classification (UL 94)	60695		UL 94
Flexural Strength	58	MPa	ASTM D638
Thermal Conductivity	0.3	W/(m·K)	DIN 52612
Surface Resistivity	10 ¹³	Ω	IEC 60093
Comparative Tracking Index (CTI)	600	V	IEC 60112
Water absorption to saturation	2.2	%	ASTM D955
Water Absorption to Saturation	0.5	%	ASTM D570
Notched impact strength (Charpy)	6	kJ/m²	DIN EN ISO 179-1

Egenskap	Värde	Enhet	Standard
Impact Resistance (Charpy)	19	kJ/m²	ISO 179/1eU
Thermal Expansion Coefficient	0.4	10 ⁻⁴ /K	ISO 11359
Hardness Shore D	83	° Shore D	ISO 868
Ball pressure hardness	230	MPa	ISO 2039-1

2. Kemisk beständighet

● Beständig ● Delvis beständig ● Ej beständig

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%	●

Kemikalie	Konc.	Resultat
Ethyl Alcohol	96%	●
Ethylene Chloride	100%	●
Food Oil	-	●
Formaldehyde, aqueous	40%	●
Formic Acid	10%	●
Frost Protection Agent	-	●
Fuel, aromatic free	-	●
Glycerine	100%	●
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%	●

Kemikalie	Konc.	Resultat
Potassium Hydroxide liquor	50%	
Premium Fuel	-	
Propyl Alcohol	-	
Pyridine	-	
Silicone Oil	-	
Sodium Carbonate, aqueous	-	
Sodium Chloride, aqueous	-	
Sodium Hydrogen Sulfite	-	
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	-	