



POM CGL 100/40x1000 mm blå

Artikelnr P1008213
Material POM

1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Tetthet	1.24	g/cm³	ASTM D792
StrekkgrenseSpenning	51	MPa	DIN EN ISO 527-2
Elastisitetsmodul (trek)	1200	MPa	ASTM D790
Brottspenning	76.5	MPa	ISO 527
Brottsdeformasjon	300	%	ASTM D638
Smeltepunkt	222	°C	ISO 3146
Maksimal drifttemperatur (kortvarig)	129	°C	UL746B
Maksimal driftstemperatur	90	°C	
Minstemperatur	-46.25	°C	
Varme-forvrengning (HDT/A)	105	°C	ASTM D648
Varme-forvrengning (HDT/B)	155	°C	ISO 75
Vicat-mykningstemperatur (VST/B/50)	50	°C	ISO 306
Dielektrisk Styrke	85	kV/mm	IEC 60243-1
VolumResistivitet	10 ¹²	Ω	IEC 60093
Dielektrisk konstant (1 MHz)	3.7	-	IEC 60250
Dielektrisk dissipasjonsfaktor (1 MHz)	0.0	-	IEC 60250
Dielektrisk tapfaktor (100 Hz)	0.0	-	IEC 60250
Brannklasse (UL 94)	60695		UL 94
Bøyhållfasthet	58	MPa	ASTM D638
Termisk konduktivitet	0.3	W/(m·K)	DIN 52612
Overflatemotstand	10 ¹³	Ω	IEC 60093
Sammenligningskrypstrømsindeks (CTI)	600	V	IEC 60112
Fuktabsorpsjon til metning	2.2	%	ASTM D955
Vannabsorpsjon til metning	0.5	%	ASTM D570

Egenskap	Värde	Enhet	Standard
Skåret slagfasthet (Charpy)	6	kJ/m²	DIN EN ISO 179-1
Slagseghet (Charpy)	19	kJ/m²	ISO 179/1eU
Termisk utvidelseskoeficient	0.4	10 ⁻⁴ /K	ISO 11359
Hardhet Shore D	83	° Shore D	ISO 868
Kuletrykkshardhet	230	MPa	ISO 2039-1

2. Kemisk beständighet

● Beständig
 ● Delvis beständig
 ● Ej beständig

Kemikalie	Konc.	Resultat
1,4-Dioxan	100%	●
2-Hydroxypropionic Acid	90%	●
Acetic Acid	100%	●
Aceton	100%	●
Ammoniak	conc.	●
Ammonium Chloride	-	●
Amyl Alcohol	-	●
Apple Juice	-	●
Bensen	-	●
Bleaching Solution	12.5 cl	●
Boric Acid	100%	●
Brake Fluid	-	●
Bränsle, aromatfritt	-	●
Butyl Acetate	-	●
Calcium Chloride	-	●
Carbon Disulfide	100%	●
Carbon Tetrachloride	-	●
Citric Acid	10%	●
Cyklohexanon	100%	●
Cyklohexen	100%	●
Diesel Fuel	-	●
Diethylene Oxide	-	●
Eddik, standard	5-10%	●
Ethyl Acetate	100%	●
Ethyl Alcohol	96%	●
Ethylene Chloride	100%	●

Kemikalie	Konc.	Resultat
Fenol, vattenl.	ca. 9%	
Food Oil	-	
Formaldehyd, vattenl.	40%	
Formic Acid	10%	
Frost Protection Agent	-	
Glycerin	100%	
Glykol	100%	
Heating Oil	-	
Heptan	100%	
Hydrochloric Acid	10%	
Hydrochloric Acid (concentrated)	conc.	
Hydrofluoric Acid	40%	
Hydrogen Peroxide	10%	
Hydrogen Sulfide, aqueous solution	-	
Isopropyl Alcohol	100%	
Klor (gas)	100%	
Klorbensen	100%	
Kloroform	-	
Kresol	-	
Linseed Oil	-	
Melk	-	
Merkurokrom	-	
Methyl Alcohol	100%	
Methyl Ethyl Ketone (MEK)	100%	
Methylene Chloride	100%	
Mineral Oils (aromatic free)	-	
Nitric Acid	10%	
Nitric Acid (50%)	50%	
Nitrobensen	-	
Oxalic Acid	-	
Ozone Gas	≤0.5 ppm	
Paraffine Oil	100%	
Perkloretylen	-	
Petroleum	100%	

Kemikalie	Konc.	Resultat
Petroleum Ether	100%	●
Phosphoric Acid	50%	●
Potassium Hydroxide liquor	50%	●
Premium Fuel	-	●
Propyl Alcohol	-	●
Pyridin	-	●
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%	●
Toluen	100%	●
Transformer Oil	-	●
Trikloreten	100%	●
Vann	-	●
Xylen	-	●