Komplett teknisk dokumentation

PlastShop.se - 2026-03-26

POM CGL 75x3000 mm blå

Artikelnr	P1008068
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 utvidelseskoeffisient	**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	-	🟢