



POM C FG 45/20x1000 mm natural

Artikelnr P1007396

1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Densidad	1.24	g/cm³	ASTM D792
Låmite de resistencia a la tracci3n	51	MPa	DIN EN ISO 527-2
M3dulo de elasticidad (tracci3n)	1200	MPa	ASTM D790
Resistencia a la tensi3n	76.5	MPa	ISO 527
Deformaci3n a la rotura	300	%	ASTM D638
Punto de fusi3n	222	°C	ISO 3146
Temperatura de servicio m3xima (corto plazo)	129	°C	UL746B
Temperatura de funcionamiento m3xima	90	°C	
Temperatura m3nima	-46.25	°C	
Deformaci3n t3rmica (HDT/A)	105	°C	ASTM D648
Deformaci3n t3rmica (HDT/B)	155	°C	ISO 75
Temperatura de ablandamiento Vicat (VST/B/50)	50	°C	ISO 306
Fuerza diel3ctrica	85	kV/mm	IEC 60243-1
Resistividad volum3trica	10¹³	Ω·m	IEC 60093
Constante diel3ctrica (1 MHz)	3.7	-	IEC 60250
Factor de p3rdida diel3ctrica (1 MHz)	0.0	-	IEC 60250
Factor de p3rdida diel3ctrica (100 Hz)	0.0	-	IEC 60250
Clasificaci3n de resistencia al fuego (UL 94)	60695		UL 94
Resistencia a la flexi3n	58	MPa	ASTM D638
Conductividad t3rmica	0.3	W/(m·K)	DIN 52612
Resistencia superficial	10¹³	Ω·m	IEC 60093
3ndice de seguimiento comparativo (CTI)	600	V	IEC 60112
Absorci3n de agua hasta la saturaci3n	2.2	%	ASTM D955
Absorci3n de agua hasta la saturaci3n	0.5	%	ASTM D570
Resistencia al impacto con entalla (Charpy)	6	kJ/m²	DIN EN ISO 179-1
Resistencia al impacto (Charpy)	19	kJ/m²	ISO 179/1eU

Egenskap	VÄrde	Enhet	Standard
Coeficiente de expansi3n tÃ©rmica	0.4	10â/K	ISO 11359
Dureza Shore D	83	Â° Shore D	ISO 868
Dureza a la presi3n de bala	230	MPa	ISO 2039-1

2. Kemisk bestÃndighet

● BestÃndig
 ● Delvis bestÃndig
 ● Ej bestÃndig

Kemikalie	Konc.	Resultat
1,4-Dioxane	100%	●
2-Hydroxypropionic acid (lactic acid)	90%	●
Acetic acid	100%	●
Acetone	100%	●
Ammonia	conc.	●
Ammonium chloride	â	●
Amyl alcohol	â	●
Apple juice	â	●
Benzene	â	●
Bleaching solution	12.5 cl	●
Boric acid	100%	●
Brake fluid	â	●
Butyl acetate	â	●
Calcium chloride	â	●
Carbon disulphide	100%	●
Carbon tetrachloride	â	●
Chlorobenzene	100%	●
Chloroform	â	●
Citric acid	10%	●
Cyclohexanone	100%	●
Cyclohexene	100%	●
Diesel	â	●
Diethylene oxide	â	●
Ethyl acetate	100%	●
Ethyl alcohol (ethanol)	96%	●
Food oil	â	●
Formaldehyde, aqueous	40%	●
Formic acid	10%	●

Kemikalie	Konc.	Resultat
Frost protection agent	â€”	●
Fuel oil	â€”	●
Fuel, aromatic free	â€”	●
Glycerine	100%	●
Glycol	100%	●
Heptane	100%	●
Hydrochloric acid	10%	●
Hydrochloric acid (concentrated)	conc.	●
Hydrofluoric acid	40%	●
Hydrogen peroxide	10%	●
Hydrogen sulfide, aqueous	â€”	●
Isopropyl alcohol	100%	●
Linseed oil	â€”	●
Mercurochrome	â€”	●
Methyl alcohol (methanol)	100%	●
Methyl ethyl ketone (MEK)	100%	●
Methylene chloride	100%	●
Milk	â€”	●
Mineral oils (aromatic free)	â€”	●
Nitric acid	10%	●
Nitric acid (50%)	50%	●
Nitrobenzene	â€”	●
Oxalic acid	â€”	●
Ozone (gas)	â‰¤0.5 ppm	●
Paraffin oil	100%	●
Perchloroethylene	â€”	●
Petroleum	100%	●
Petroleum ether	100%	●
Phenol, aqueous	ca. 9%	●
Phosphoric acid	50%	●
Potassium hydroxide solution	50%	●
Premium fuel	â€”	●
Propyl alcohol	â€”	●
Silicone oil	â€”	●

Kemikalie	Konc.	Resultat
Sodium carbonate, aqueous	â€”	
Sodium chloride, aqueous	â€”	
Sodium hydrogen sulfite	â€”	
Sodium hydroxide solution (15%)	15%	
Sodium hydroxide solution (60%)	60%	
Sodium nitrate, aqueous	â€”	
Sulphuric acid	96%	
Tetrahydrofuran (THF)	100%	
Toluene	100%	
Transformer oil	â€”	
Trichloroethylene	100%	
Vinegar, standard	5-10%	
Water	â€”	
Xylene	â€”	