



Komplett teknisk dokumentation

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POM C FG 140x3000 mm azul marino

Artikelnr P1006196

1. Tekniskt datablad

Egenskap	V�rde	Enhet	Standard
Densidad	1.24	g/cm� ³	ASTM D792
L�mite de resistencia a la tracci�n	51	MPa	DIN EN ISO 527-2
M�dulo de elasticidad (tracci�n)	1200	MPa	ASTM D790
Resistencia a la tensi�n	76.5	MPa	ISO 527
Deformaci�n a la rotura	300	%	ASTM D638
Punto de fusi�n	222	�C	ISO 3146
Temperatura de servicio m�xima (corto plazo)	129	�C	UL746B
Temperatura de funcionamiento m�xima	90	�C	
Temperatura m�nima	-46.25	�C	
Deformaci�n t�rmica (HDT/A)	105	�C	ASTM D648
Deformaci�n t�rmica (HDT/B)	155	�C	ISO 75
Temperatura de ablandamiento Vicat (VST/B/50)	50	�C	ISO 306
Fuerza diel�ctrica	85	kV/mm	IEC 60243-1
Resistividad volum�trica	10� ¹¹ � ²	��	IEC 60093
Constante diel�ctrica (1 MHz)	3.7	-	IEC 60250
Factor de p�rdida diel�ctrica (1 MHz)	0.0	-	IEC 60250
Factor de p�rdida diel�ctrica (100 Hz)	0.0	-	IEC 60250
Clasificaci�n de resistencia al fuego (UL 94)	60695		UL 94
Resistencia a la flexi�n	58	MPa	ASTM D638
Conductividad t�rmica	0.3	W/(m�K)	DIN 52612
Resistencia superficial	10� ¹¹ � ³	��	IEC 60093
�ndice de seguimiento comparativo (CTI)	600	V	IEC 60112
Absorci�n de agua hasta la saturaci�n	2.2	%	ASTM D955
Absorci�n de agua hasta la saturaci�n	0.5	%	ASTM D570
Resistencia al impacto con entalla (Charpy)	6	kJ/m� ²	DIN EN ISO 179-1

Egenskap	VÄrde	Enhet	Standard
Resistencia al impacto (Charpy)	19	kJ/mÅ²	ISO 179/1eU
Coefficiente de expansi3n t3rmica	0.4	103/Å/K	ISO 11359
Dureza Shore D	83	Å° Shore D	ISO 868
Dureza a la presi3n de bala	230	MPa	ISO 2039-1

2. Kemisk best3ndighet

● Best3ndig
 ● Delvis best3ndig
 ● Ej best3ndig

Kemikalie	Konc.	Resultat
1,4-Dioxane	100%	●
2-Hydroxypropionic acid (lactic acid)	90%	●
Acetic acid	100%	●
Acetone	100%	●
Ammonia	conc.	●
Ammonium chloride	3€"	●
Amyl alcohol	3€"	●
Apple juice	3€"	●
Benzene	3€"	●
Bleaching solution	12.5 cl	●
Boric acid	100%	●
Brake fluid	3€"	●
Butyl acetate	3€"	●
Calcium chloride	3€"	●
Carbon disulphide	100%	●
Carbon tetrachloride	3€"	●
Chlorobenzene	100%	●
Chloroform	3€"	●
Citric acid	10%	●
Cyclohexanone	100%	●
Cyclohexene	100%	●
Diesel	3€"	●
Diethylene oxide	3€"	●
Ethyl acetate	100%	●
Ethyl alcohol (ethanol)	96%	●
Food oil	3€"	●

Kemikalie	Konc.	Resultat
Formaldehyde, aqueous	40%	●
Formic acid	10%	●
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‰ƒ0.5 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€”	●

Kemikalie	Konc.	Resultat
Silicone oil	â€”	●
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€”	●

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