



PEEK GF30 80x1000 mm beesi

Artikelnr P1500910

1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Tiheits	1.51	g/cm³	ISO 1183
Venymisrajan jämnhet	105	MPa	ISO 527
Joustavuusmoduli (vetolujuus)	6380	MPa	ISO 527
Murtolujuus	180	MPa	ISO 527
Murtovenymä	2.7	%	ISO 527
Sulamispiste	341	°C	DIN EN ISO 11357
Maksimaalinen käyttölämpötila (lyhytaikainen)	300	°C	
Maksimi käyttölämpötila	260	°C	
Lämpökestävyys (HDT/A)	328	°C	ISO 75
Vicat-pehmenemislämpötila (VST/B/50)	50	°C	ISO 306
Dielektrinen voimakkuus	20	kV/mm	IEC 60243-1
Tilavuusresistanssi	10 ⁻¹¹	Ω·m	IEC 60093
Dielektrinen vakio (1 MHz)	1	-	IEC 60250
Dielektrinen hajoamiskerroin (1 MHz)	0.0	-	IEC 60250
Paloaluokitus (UL 94)	0		UL 94
Taivutuslujuus	164	MPa	ISO 178
Lämpöjohtavuus	0.35	W/(m·K)	ISO 22007-4
Pintaresistanssi	10 ⁻¹¹	Ω·m	IEC 60093
Imeytymisen maksimointi	0.3	%	ISO 62
Iskunkestävyys (Charpy)	32	kJ/m²	ISO 179
Lämpölaajenemiskerroin	0.38	10 ⁻⁶ /K	ISO 11359
Kovuus Shore D	90	° Shore D	ISO 868

2. Kemisk beständighet

Beständig Delvis beständig Ej beständig

Kemikalie	Konc.	Resultat
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Kemikalie	Konc.	Resultat
1,4-Dioxane	100	●
2-Hydroxypropionic acid (lactic acid)	90	●
Acetic acid	100	●
Acetone	100	●
Ammonia	â€”	●
Ammonium chloride	â€”	●
Amyl alcohol	â€”	●
Apple juice	â€”	●
Benzene	â€”	●
Boric acid	100	●
Brake fluid	â€”	●
Butyl acetate	â€”	●
Calcium chloride	â€”	●
Carbon tetrachloride	â€”	●
Chlorine (gas)	100	●
Chlorobenzene	100	●
Chloroform	â€”	●
Citric acid	10	●
Cyclohexanone	100	●
Cyclohexene	100	●
Diesel	â€”	●
Diethylene oxide	â€”	●
Ethyl acetate	100	●
Ethyl alcohol (ethanol)	96	●
Ethylene chloride	100	●
Food oil	â€”	●
Formaldehyde (aqueous)	40	●
Formic acid	10	●
Frost protection agent	â€”	●
Fuel oil	â€”	●
Fuel, aromatic free	â€”	●
Glycerine	100	●
Glycol	100	●
Heptane	100	●

Kemikalie	Konc.	Resultat
Hydrochloric acid	10	
Hydrochloric acid (concentrated)	â€”	
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	
Nitrobenzene	â€”	
Oxalic acid	â€”	
Ozone (gas)	â€”	
Paraffin oil	100	
Perchloroethylene	â€”	
Petroleum	100	
Petroleum ether	100	
Phenol (aqueous)	9	
Phosphoric acid	50	
Potassium hydroxide solution	50	
Premium fuel	â€”	
Propyl alcohol	â€”	
Pyridine	â€”	
Silicone oil	â€”	
Sodium carbonate (aqueous)	â€”	
Sodium chloride (aqueous)	â€”	
Sodium hydrogen sulfite	â€”	
Sodium hydroxide solution (caustic soda)	60	
Sodium hydroxide solution (caustic soda)	15	
Sodium nitrate (aqueous)	â€”	

Kemikalie	Konc.	Resultat
Sodium thiosulfate	â€	●
Sulphuric acid	96	●
Tetrahydrofuran (THF)	100	●
Toluene	100	●
Transformer oil	â€	●
Trichloroethylene	100	●
Vinegar (standard)	5-10	●
Water	â€	●
Xylene	â€	●