Komplett teknisk dokumentation

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PEEK GF30 3000x620x40 mm beige

Artikelnr P1500973

1. Tekniskt datablad

Egenskap	VÃ□rde	Enhet	Standard
Density	1.51	g/cmÂ³	ISO 1183
Tensile Strength	105	MPa	ISO 527
Modulus of elasticity (tensile)	6380	MPa	ISO 527
Breakdown Voltage	180	MPa	ISO 527
Break Elongation	2.7	%	ISO 527
Melting point	341	Â°C	DIN EN ISO 11357
Maximal operating temperature (short-term)	300	Â°C	
Maximum Operating Temperature	260	Â°C	
Heat deflection temperature (HDT/A)	328	Â°C	ISO 75
Vicat softening temperature (VST/B/50)	50	Â°C	ISO 306
Dielectric Strength	20	kV/mm	IEC 60243-1
Volume Resistivity	10Â¹Â³	â„¦	IEC 60093
Dielectric Constant (1 MHz)	1	-	IEC 60250
Dielectric loss factor (1 MHz)	0.0	-	IEC 60250
Flammability Classification (UL 94)	0		UL 94
Flexural Strength	164	MPa	ISO 178
Thermal Conductivity	0.35	W/(mÂ·K)	ISO 22007-4
Surface Resistivity	10Â¹Â³	â„¦	IEC 60093
Water absorption to saturation	0.3	%	ISO 62
Impact Resistance (Charpy)	32	kJ/mÂ²	ISO 179
Thermal Expansion Coefficient	0.38	10â»â´/K	ISO 11359
Hardness Shore D	90	Â° Shore D	ISO 868

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	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	🟢
Hydrochloric acid	10	🟢

Kemikalie	Konc.	Resultat
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	50	🟢
Nitric acid	10	🟢
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€”	🟢
Sodium thiosulfate	â€”	🟢

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

PlastShop.se
SÃ¶derleden 22 , LinkÃ¶ping , Sweden
Tel: +46 13 328 94 00
info@plastshop.se
https://plastshop.se