

PEEK GF30 3000x300x25 mm beige

Artikelnr P1500942

Material PEEK

1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Density	1.51	g/cm ³	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	°C	DIN EN ISO 11357
Maximal operating temperature (short-term)	300	°C	
Maximum Operating Temperature	260	°C	
Heat deflection temperature (HDT/A)	328	°C	ISO 75
Vicat softening temperature (VST/B/50)	50	°C	ISO 306
Dielectric Strength	20	kV/mm	IEC 60243-1
Volume Resistivity	10¹³	Ω	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/(m·K)	ISO 22007-4
Surface Resistivity	10¹³	Ω	IEC 60093
Water absorption to saturation	0.3	%	ISO 62
Impact Resistance (Charpy)	32	kJ/m ²	ISO 179
Thermal Expansion Coefficient	0.38	10 ⁻⁴ /K	ISO 11359
Hardness Shore D	90	° Shore D	ISO 868

2. Kemisk beständighet

● Beständig ● Delvis beständig ● Ej beständig

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

Kemikalie	Konc.	Resultat
Hydrochloric acid	10	●
Hydrochloric acid (concentrated)	-	●
Hydrofluoric acid	40	●
Hydrogen peroxide	10	●
Hydrogen sulfide (aqueous)	-	●
Isopropyl alcohol	100	●
Linseed oil	-	●
Mercurochrome	-	●
Methyl alcohol (methanol)	100	●
Methyl ethyl ketone (MEK)	100	●
Methylene chloride	100	●
Milk	-	●
Mineral oils (aromatic free)	-	●
Nitric acid	50	●
Nitric acid	10	●
Nitrobenzene	-	●
Oxalic acid	-	●
Ozone (gas)	-	●
Paraffin oil	100	●
Perchloroethylene	-	●
Petroleum	100	●
Petroleum ether	100	●
Phenol (aqueous)	9	●
Phosphoric acid	50	●
Potassium hydroxide solution	50	●
Premium fuel	-	●
Propyl alcohol	-	●
Pyridine	-	●
Silicone oil	-	●
Sodium carbonate (aqueous)	-	●
Sodium chloride (aqueous)	-	●
Sodium hydrogen sulfite	-	●
Sodium hydroxide solution (caustic soda)	60	●
Sodium hydroxide solution (caustic soda)	15	●

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