

# PEEK GF30 3000x500x22 mm beesi

Artikelnr P1500956

Material PEEK

## 1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Tiheys	<b>1.51</b>	g/cm <sup>3</sup>	ISO 1183
Venymisrajan jännitys	<b>105</b>	MPa	ISO 527
Joustavuusmoduli (vetolujuus)	<b>6380</b>	MPa	ISO 527
Murtolujuus	<b>180</b>	MPa	ISO 527
Murtovenymä	<b>2.7</b>	%	ISO 527
Sulamispiste	<b>341</b>	°C	DIN EN ISO 11357
Maksimaalinen käyttölämpötila (lyhytaikainen)	<b>300</b>	°C	
Maksimi käyttölämpötila	<b>260</b>	°C	
Lämpökäyrä (HDT/A)	<b>328</b>	°C	ISO 75
Vicat-pehmenemislämpötila (VST/B/50)	<b>50</b>	°C	ISO 306
Dielektrinen voimakkuus	<b>20</b>	kV/mm	IEC 60243-1
Tilavuusresistanssi	<b>10<sup>13</sup></b>	Ω	IEC 60093
Dielektrinen vakio (1 MHz)	<b>1</b>	-	IEC 60250
Dielektrinen hajoamiskerroin (1 MHz)	<b>0.0</b>	-	IEC 60250
Paloaluokitus (UL 94)	<b>0</b>		UL 94
Taivutuslujuus	<b>164</b>	MPa	ISO 178
Lämmönjohtavuus	<b>0.35</b>	W/(m·K)	ISO 22007-4
Pintaresistanssi	<b>10<sup>13</sup></b>	Ω	IEC 60093
Imeytymisen maksimointi	<b>0.3</b>	%	ISO 62
Iskunkestävyys (Charpy)	<b>32</b>	kJ/m <sup>2</sup>	ISO 179
Lämpölaajenemiskerroin	<b>0.38</b>	10 <sup>-4</sup> /K	ISO 11359
Kovuus Shore D	<b>90</b>	° 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	●
Hydrochloric acid	10	●

Kemikalie	Konc.	Resultat
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	●
Sodium nitrate (aqueous)	-	●
Sodium thiosulfate	-	●

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