

PA6.6 FG 1000x1000x2 mm natur

Artikelnr P1002422

Material PA

1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Density	1.14	g/cm ³	ISO 1183
Tensile Strength	80	MPa	ISO 527
Modulus of elasticity (tensile)	3285	MPa	ISO 527-2
Break Elongation	55	%	ISO 527-2
Melting point	260	°C	ISO 3146
Maximal operating temperature (short-term)	140	°C	UL746B
Maximum Operating Temperature	95	°C	
Minimum temperature	-30	°C	
Heat deflection temperature (HDT/A)	92.5	°C	ISO 75-2
Heat deflection temperature (HDT/B)	200	°C	ISO 75-2
Dielectric Strength	28.5	kV/mm	IEC 60243-1
Volume Resistivity	~10¹⁴	Ω·cm	IEC 60093
Dielectric Constant (1 MHz)	3.45	-	IEC 60250
Dielectric Constant (100 Hz)	3.8	-	IEC 60250
Dielectric loss factor (1 MHz)	0.11	-	IEC 60250
Dielectric loss factor (100 Hz)	0.0	-	IEC 60250
Flexural Strength	1455	MPa	ISO 178
Thermal Conductivity	0.28	W/(m·K)	DIN 52612
Surface Resistivity	10¹³	Ω	IEC 60093
Comparative Tracking Index (CTI)	600	V	IEC 60112
Water absorption to saturation	5.45	%	ISO 62
Water Absorption to Saturation	8.75	%	ISO 62
Notched impact strength (Charpy)	6	kJ/m ²	ISO 179/1eA
Thermal Expansion Coefficient	0.8	10 ⁻⁴ /K	DIN 11359
Hardness Shore D	83	° Shore D	ISO 868

Egenskap	Värde	Enhet	Standard
Ball pressure hardness	160	MPa	ISO 2039-1

2. Kemisk beständighet

● Beständig
 ● Delvis beständig
 ● Ej beständig

Kemikalie	Konc.	Resultat
1,4-Dioxane	100	●
2-Hydroxypropionic Acid	90	●
Acetic Acid	100	●
Acetone	100	●
Ammonia	conc.	●
Ammonium Chloride	-	●
Amyl Alcohol	-	●
Apple Juice	-	●
Benzene	-	●
Bleaching Solution	12.5 cl	●
Boric Acid	100	●
Brake Fluid	-	●
Butyl Acetate	-	●
Calcium Chloride	-	●
Carbon Disulfide	100	●
Carbon Tetrachloride	-	●
Chlorine (gas)	100	●
Chlorobenzene	100	●
Chloroform	-	●
Citric Acid	10	●
Cresol	-	●
Cyclohexanone	100	●
Cyclohexene	100	●
Diesel Fuel	-	●
Diethylene Oxide	-	●
Ethyl Acetate	100	●
Ethyl Alcohol	96	●
Ethylene Chloride	100	●
Food Oil	-	●

Kemikalie	Konc.	Resultat
Formaldehyde (aqueous)	40	●
Formic Acid	10	●
Frost Protection Agent	-	●
Fuel (aromatic free)	-	●
Glycerine	100	●
Glycol	100	●
Heating Oil	-	●
Heptane	100	●
Hydrochloric Acid	10	●
Hydrochloric Acid (concentrated)	conc.	●
Hydrofluoric Acid	40	●
Hydrogen Peroxide	10	●
Hydrogen Sulfide (aqueous)	-	●
Isopropyl Alcohol	100	●
Linseed Oil	-	●
Mercurochrome	-	●
Methyl Alcohol	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	≤ 0.5 ppm	●
Paraffine Oil	100	●
Perchloroethylene	-	●
Petroleum	100	●
Petroleum Ether	100	●
Phenol (aqueous)	ca. 9	●
Phosphoric Acid	50	●
Potassium Hydroxide liquor	50	●
Premium Fuel	-	●
Propyl Alcohol	-	●

Kemikalie	Konc.	Resultat
Pyridine	-	●
Silicone Oil	-	●
Sodium Carbonate (aqueous)	-	●
Sodium Chloride (aqueous)	-	●
Sodium Hydrogen Sulfite	-	●
Sodium Hydroxide liquor	15	●
Sodium Hydroxide liquor	60	●
Sodium Nitrate (aqueous)	-	●
Sodium Thiosulfate	-	●
Sulfuric Acid	96	●
Tetrahydrofuran (THF)	100	●
Toluene	100	●
Transformer Oil	-	●
Trichloroethylene	100	●
Vinegar (standard)	5 - 10	●
Water	-	●
Xylene	-	●