



PA6.6 GF30 120x1000 mm svart

Artikelnr P1002501
Material PA

1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Density	1.3	g/cm³	ISO 1183
Tensile Strength	100	MPa	ISO 527
Modulus of elasticity (tensile)	5900	MPa	ISO 527-2
Breakdown Voltage	100	MPa	ISO 527-2
Break Elongation	5	%	ISO 527-2
Melting point	257.5	°C	ISO 3146
Maximal operating temperature (short-term)	175	°C	UL746B
Maximum Operating Temperature	120	°C	
Minimum temperature	-20	°C	
Heat deflection temperature (HDT/A)	150	°C	ISO 75-2
Heat deflection temperature (HDT/B)	250	°C	ISO 75
Dielectric Strength	30	kV/mm	IEC 60243-1
Volume Resistivity	~10 ¹⁴	Ω·cm	IEC 60093
Dielectric Constant (1 MHz)	3.6	-	IEC 60250
Dielectric loss factor (1 MHz)	0.0	-	IEC 60250
Thermal Conductivity	0.31	W/(m·K)	DIN 52612
Surface Resistivity	~10 ¹³	Ω	IEC 60093
Comparative Tracking Index (CTI)	475	V	IEC 60112
Water absorption to saturation	3.6	%	ISO 62
Water Absorption to Saturation	5.5	%	ISO 62
Notched impact strength (Charpy)	6	kJ/m²	ISO 179/1eA
Impact Resistance (Charpy)	50	kJ/m²	ISO 179/1eU
Thermal Expansion Coefficient	0.5	10 ⁻⁴ /K	ISO 11359
Hardness Shore D	85	° Shore D	ISO 868
Ball pressure hardness	165	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	-	●
Formaldehyde (aqueous)	40	●
Formic Acid	10	●
Frost Protection Agent	-	●

Kemikalie	Konc.	Resultat
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	10	
Nitric Acid	50	
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	-	
Pyridine	-	
Silicone Oil	-	

Kemikalie	Konc.	Resultat
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	-	