



PA6.6 GF30 110x1000 mm svart

Artikelnr P1002500

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	~10¹³	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	~10¹³	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	10⁻⁵/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	Delvis beständig
2-Hydroxypropionic Acid	90	Ej beständig
Acetic Acid	100	Beständig
Acetone	100	Delvis beständig
Ammonia	conc.	Beständig
Ammonium Chloride	â€”	Beständig
Amyl Alcohol	â€”	Delvis beständig
Apple Juice	â€”	Beständig
Benzene	â€”	Beständig
Bleaching Solution	12.5 cl	Ej beständig
Boric Acid	100	Delvis beständig
Brake Fluid	â€”	Beständig
Butyl Acetate	â€”	Beständig
Calcium Chloride	â€”	Beständig
Carbon Disulfide	100	Beständig
Carbon Tetrachloride	â€”	Beständig
Chlorine (gas)	100	Ej beständig
Chlorobenzene	100	Delvis beständig
Chloroform	â€”	Ej beständig
Citric Acid	10	Beständig
Cresol	â€”	Ej beständig
Cyclohexanone	100	Beständig
Cyclohexene	100	Delvis beständig
Diesel Fuel	â€”	Beständig
Diethylene Oxide	â€”	Beständig
Ethyl Acetate	100	Beständig
Ethyl Alcohol	96	Delvis beständig
Ethylene Chloride	100	Ej beständig
Food Oil	â€”	Beständig
Formaldehyde (aqueous)	40	Delvis beständig
Formic Acid	10	Delvis beständig
Frost Protection Agent	â€”	Beständig
Fuel (aromatic free)	â€”	Beständig
Glycerine	100	Beständig

Kemikalie	Konc.	Resultat
Glycol	100	
Heating Oil	â€”	
Heptane	100	
Hydrochloric Acid	10	
Hydrochloric Acid (concentrated)	conc.	
Hydrofluoric Acid	40	
Hydrogen Peroxide	10	
Hydrogen Sulfide (aqueous)	â€”	
Isopropyl Alcohol	100	
Linseed Oil	â€”	
Mercurochrome	â€”	
Methyl Alcohol	100	
Methyl Ethyl Ketone (MEK)	100	
Methylene Chloride	100	
Milk	â€”	
Mineral Oils (aromatic free)	â€”	
Nitric Acid	10	
Nitric Acid	50	
Nitrobenzene	â€”	
Oxalic Acid	â€”	
Ozone Gas	â‰‰ 0.5 ppm	
Paraffine Oil	100	
Perchloroethylene	â€”	
Petroleum	100	
Petroleum Ether	100	
Phenol (aqueous)	ca. 9	
Phosphoric Acid	50	
Potassium Hydroxide liquor	50	
Premium Fuel	â€”	
Propyl Alcohol	â€”	
Pyridine	â€”	
Silicone Oil	â€”	
Sodium Carbonate (aqueous)	â€”	
Sodium Chloride (aqueous)	â€”	
Sodium Hydrogen Sulfite	â€”	

Kemikalie	Konc.	Resultat
Sodium Hydroxide liquor	15	●
Sodium Hydroxide liquor	60	●
Sodium Nitrate (aqueous)	â€”	●
Sodium Thiosulfate	â€”	●
Sulfuric Acid	96	●
Tetrahydrofuran (THF)	100	●
Toluene	100	●
Transformer Oil	â€”	●
Trichloroethylene	100	●
Vinegar (standard)	5 - 10	●
Water	â€”	●
Xylene	â€”	●