



PA6 C 450x1000 mm natur

Artikelnr P1001672
Material PA

1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Density	1.1	g/cm ³	ISO 1183
Tensile Strength	75	MPa	ISO 527
Modulus of elasticity (tensile)	3500	MPa	ISO 527-2
Break Elongation	25	%	ISO 527-2
Melting point	220	°C	ISO 3146
Maximal operating temperature (short-term)	170	°C	
Maximum Operating Temperature	105	°C	
Minimum temperature	-30	°C	
Heat deflection temperature (HDT/A)	80	°C	ISO 75-2
Dielectric Strength	25	kV/mm	IEC 60243-1
Volume Resistivity	10 ¹⁴	Ω·cm	IEC 60093
Dielectric Constant (1 MHz)	3.2	-	IEC 60250
Dielectric Constant (100 Hz)	3.6	-	IEC 60250
Dielectric loss factor (1 MHz)	0.0	-	IEC 60250
Dielectric loss factor (100 Hz)	0.0	-	IEC 60250
Flexural Strength	85	MPa	ISO 527-2
Thermal Conductivity	0.29	W/(m·K)	DIN 52612
Surface Resistivity	10 ¹³	Ω	IEC 60093
Comparative Tracking Index (CTI)	600	V	IEC 60112
Water absorption to saturation	2.3	%	ISO 62
Water Absorption to Saturation	6.5	%	ISO 62
Notched impact strength (Charpy)	3.5	kJ/m ²	ISO 179/1eA
Thermal Expansion Coefficient	0.8	10 ⁻⁴ /K	ISO 11359
Ball pressure hardness	148.3	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	60	●
Sodium Hydroxide liquor	15	●
Sodium Nitrate (aqueous)	-	●
Sodium Thiosulfate	-	●
Sulfuric Acid	96	●
Tetrahydrofuran (THF)	100	●
Toluene	100	●
Transformer Oil	-	●
Trichloroethylene	100	●
Vinegar (standard)	5 - 10	●
Water	-	●
Xylene	-	●