



PA6 E 50x3000 mm natur

Artikelnr P1000952
Material PA

1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Tetthet	1.14	g/cm³	ISO 1183
StrekkgrenseSpenning	70	MPa	DIN EN ISO 527
Elastisitetsmodul (trek)	3250	MPa	ISO 527-2
Brottspenning	75	MPa	ISO 527-2
Brottsdeformasjon	40	%	ISO 527-2
Smeltepunkt	220	°C	ISO 3146
Maksimal drifttemperatur (kortvarig)	160	°C	
Maksimal driftstemperatur	90.5	°C	
Minstemperatur	-36	°C	
Varme-forvrengning (HDT/A)	70	°C	ISO 75-2
Varme-forvrengning (HDT/B)	140	°C	ISO 75-2
Vicat-mykningstemperatur (VST/B/50)	190	°C	ISO 306
Dielektrisk Styrke	25	kV/mm	IEC 60243-1
VolumResistivitet	10 ¹²	Ω·cm	IEC 60093
Dielektrisk konstant (1 MHz)	3.7	-	IEC 60250
Dielektrisk konstant (100 Hz)	3.9	-	IEC 60250
Dielektrisk dissipasjonsfaktor (1 MHz)	0.0	-	IEC 60250
Dielektrisk tapfaktor (100 Hz)	0.0	-	IEC 60250
Brannklasse (UL 94)	3		UL 94
Bøyhållfasthet	76	MPa	ISO 527-2
Termisk konduktivitet	0.28	W/(m·K)	DIN 52612
Overflatemotstand	10 ¹³	Ω	IEC 60093
Sammenligningskrypstrømsindeks (CTI)	600	V	IEC 60112
Fuktabsorpsjon til metning	2.5	%	ISO 62
Vannabsorpsjon til metning	9	%	ISO 62

Egenskap	Värde	Enhet	Standard
Skåret slagfasthet (Charpy)	5.5	kJ/m²	ISO 179/1eA
Termisk utvidelseskoefisient	0.9	10 ⁻⁴ /K	ISO 11359
Hardhet Shore D	82	° Shore D	DIN EN ISO 868
Kuletrykkshardhet	150	MPa	ISO 2039-1

2. Kemisk beständighet

● Beständig ● Delvis beständig ● Ej beständig

Kemikalie	Konc.	Resultat
1,4-Dioxan	100	●
2-Hydroxypropionic Acid	90	●
Acetic Acid	100	●
Aceton	100	●
Ammoniak	conc.	●
Ammonium Chloride	-	●
Amyl Alcohol	-	●
Apple Juice	-	●
Bensen	-	●
Bleaching Solution	12.5 cl	●
Boric Acid	100	●
Brake Fluid	-	●
Bränsle (aromatfritt)	-	●
Butyl Acetate	-	●
Calcium Chloride	-	●
Carbon Disulfide	100	●
Carbon Tetrachloride	-	●
Citric Acid	10	●
Cyklohexanon	100	●
Cyklohexen	100	●
Diesel Fuel	-	●
Diethylene Oxide	-	●
Eddik (standard)	5 - 10	●
Ethyl Acetate	100	●
Ethyl Alcohol	96	●
Ethylene Chloride	100	●
Fenol (vattenl.)	ca. 9	●

Kemikalie	Konc.	Resultat
Food Oil	-	
Formaldehyd (vattenl.)	40	
Formic Acid	10	
Frost Protection Agent	-	
Glycerin	100	
Glykol	100	
Heating Oil	-	
Heptan	100	
Hydrochloric Acid	10	
Hydrochloric Acid (concentrated)	conc.	
Hydrofluoric Acid	40	
Hydrogen Peroxide	10	
Hydrogen Sulfide (aqueous)	-	
Isopropyl Alcohol	100	
Klor (gas)	100	
Klorbensen	100	
Kloroform	-	
Kresol	-	
Linseed Oil	-	
Melk	-	
Merkurokrom	-	
Methyl Alcohol	100	
Methyl Ethyl Ketone (MEK)	100	
Methylene Chloride	100	
Mineral Oils (aromatic free)	-	
Nitric Acid	10	
Nitric Acid	50	
Nitrobensen	-	
Oxalic Acid	-	
Ozone Gas	≤ 0.5 ppm	
Paraffine Oil	100	
Perkloretylen	-	
Petroleum	100	
Petroleum Ether	100	

Kemikalie	Konc.	Resultat
Phosphoric Acid	50	●
Potassium Hydroxide liquor	50	●
Premium Fuel	-	●
Propyl Alcohol	-	●
Pyridin	-	●
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	●
Toluen	100	●
Transformer Oil	-	●
Trikloretan	100	●
Vann	-	●
Xylen	-	●