



PA6 E 45x1000 mm natur

Artikelnr P1000906
Material PA

1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Tetthet	1.14	g/cm³	ISO 1183
StreckgrenseSpenning	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	-	