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Komplett teknisk dokumentation

PlastShop.se - 2026-03-27

PA6 E 100x3000 mm natur

Artikelnr	P1000962
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 utvidelseskoeffisient	**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	-	🟢
Trikloreten	100	🟡
Vann	-	🟢
Xylen	-	🟢