



PA12 100x1000 mm luonnollinen

Artikelnr P1000308

1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Tiheys	1.04	g/cm³	
Venymisrajan jännitys	66	MPa	ISO 527
Joustavuusmoduli (vetolujuus)	1470	MPa	ISO 527
Murtolujuus	45	MPa	ISO 527
Murtovenymä	50	%	ISO 527
Sulamispiste	180	°C	DIN EN ISO 11357
Maksimaalinen käyttölämpötila (lyhytaikainen)	133	°C	UL746B
Maksimi käyttölämpötila	110	°C	
Lämpökestävyys (HDT/A)	115	°C	ISO 75
Lämpökestävyys (HDT/B)	135	°C	ISO 75
Vicat-pehmenemislämpötila (VST/B/50)	50	°C	ISO 306
Dielektrinen voimakkuus	34	kV/mm	IEC 60243-1
Tilavuusresistanssi	10 ¹¹	Ω·m	IEC 60093
Dielektrinen vakio (1 MHz)	1	-	IEC 60250
Dielektrinen hajoamiskerroin (1 MHz)	1	-	IEC 60250
Paloaluokitus (UL 94)	60695		UL 94
Taivutuslujuus	53	MPa	DIN EN ISO 527-2
Pintaresistanssi	~10 ¹¹	Ω	IEC 60093
Vertailukulkemisindeksi (CTI)	600	V	IEC 60112
Imeytymisen maksimointi	3	%	ISO 62
Vesihaku kyllästymiseen	3	%	ISO 62
Särkyäkesto (Charpy)	7	kJ/m²	DIN EN ISO 179-1
Lämpölaajenemiskerroin	0.9	10 ⁻⁶ /K	ISO 11359
Kovuus Shore D	83	° Shore D	ISO 868
Kulmapaineen kovuus	90	MPa	ISO 2039

2. Kemisk beständighet

● Beständig
 ● Delvis beständig
 ● Ej beständig

Kemikalie	Konc.	Resultat
1,4-Dioxane	100	●
2-Hydroxypropionic acid (lactic acid)	90	●
Acetone	100	●
Ammonia	conc.	●
Ammonium chloride	â€”	●
Amyl alcohol	â€”	●
Apple juice	â€”	●
Benzene	â€”	●
Bleaching solution	12.5 cl	●
Boric acid	100	●
Brake fluid	â€”	●
Butyl acetate	â€”	●
Calcium chloride	â€”	●
Carbon disulphide	100	●
Carbon tetrachloride	â€”	●
Chlorine (gas)	100	●
Chlorobenzene	100	●
Chloroform	â€”	●
Citric acid	10	●
Cresol	â€”	●
Cyclohexanone	100	●
Cyclohexene	100	●
Diesel	â€”	●
Diethylene oxide	â€”	●
Ethyl acetate	100	●
Ethyl alcohol (ethanol)	96	●
Ethylene chloride	100	●
Food oil	â€”	●
Formaldehyde (aqueous)	40	●
Formic acid	10	●
Fuel (aromatic free)	â€”	●
Fuel oil	â€”	●
Glycerine	100	●

Kemikalie	Konc.	Resultat
Glycol	100	●
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 (methanol)	100	●
Methyl ethyl ketone (MEK)	100	●
Methylene chloride	100	●
Milk	â€”	●
Mineral oils (aromatic free)	â€”	●
Nitric acid	50	●
Nitric acid	10	●
Nitrobenzene	â€”	●
Oxalic acid	â€”	●
Ozone (gas)	â‰¥ 0.5 ppm	●
Paraffin oil	100	●
Perchloroethylene	â€”	●
Petroleum	100	●
Petroleum ether	100	●
Phenol (aqueous)	ca. 9	●
Phosphoric acid	50	●
Potassium hydroxide solution	50	●
Premium fuel	â€”	●
Propyl alcohol	â€”	●
Pyridine	â€”	●
Silicone oil	â€”	●
Sodium carbonate (aqueous)	â€”	●
Sodium chloride (aqueous)	â€”	●
Sodium hydroxide solution (caustic soda)	15	●
Sodium nitrate (aqueous)	â€”	●

Kemikalie	Konc.	Resultat
Sodium thiosulfate	â€”	
Sulphuric acid	96	
Tetrahydrofuran (THF)	100	
Toluene	100	
Transformer oil	â€”	
Trichloroethylene	100	
Vinegar (standard)	5 - 10	
Water	â€”	
Xylene	â€”	