



PA12 1000x610x45 mm natur

Artikelnr P1000519
Material PA

1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Density	1.04	g/cm³	
Tensile Strength	66	MPa	ISO 527
Modulus of elasticity (tensile)	1470	MPa	ISO 527
Breakdown Voltage	45	MPa	ISO 527
Break Elongation	50	%	ISO 527
Melting point	180	°C	DIN EN ISO 11357
Maximal operating temperature (short-term)	133	°C	UL746B
Maximum Operating Temperature	110	°C	
Heat deflection temperature (HDT/A)	115	°C	ISO 75
Heat deflection temperature (HDT/B)	135	°C	ISO 75
Vicat softening temperature (VST/B/50)	50	°C	ISO 306
Dielectric Strength	34	kV/mm	IEC 60243-1
Volume Resistivity	10 ¹¹	Ω	IEC 60093
Dielectric Constant (1 MHz)	1	-	IEC 60250
Dielectric loss factor (1 MHz)	1	-	IEC 60250
Flammability Classification (UL 94)	60695		UL 94
Flexural Strength	53	MPa	DIN EN ISO 527-2
Surface Resistivity	~10 ¹³	Ω	IEC 60093
Comparative Tracking Index (CTI)	600	V	IEC 60112
Water absorption to saturation	3	%	ISO 62
Water Absorption to Saturation	3	%	ISO 62
Notched impact strength (Charpy)	7	kJ/m²	DIN EN ISO 179-1
Thermal Expansion Coefficient	0.9	10 ⁻⁴ /K	ISO 11359
Hardness Shore D	83	° Shore D	ISO 868
Ball pressure hardness	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	-	●
Amyl alcohol	-	●
Apple juice	-	●
Benzene	-	●
Bleaching solution	12.5 cl	●
Boric acid	100	●
Brake fluid	-	●
Butyl acetate	-	●
Calcium chloride	-	●
Carbon disulphide	100	●
Carbon tetrachloride	-	●
Chlorine (gas)	100	●
Chlorobenzene	100	●
Chloroform	-	●
Citric acid	10	●
Cresol	-	●
Cyclohexanone	100	●
Cyclohexene	100	●
Diesel	-	●
Diethylene oxide	-	●
Ethyl acetate	100	●
Ethyl alcohol (ethanol)	96	●
Ethylene chloride	100	●
Food oil	-	●
Formaldehyde (aqueous)	40	●
Formic acid	10	●
Fuel (aromatic free)	-	●
Fuel oil	-	●

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

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