



PA6 E FG 10x1000 mm natur

Artikelnr P1001202

1. Tekniskt datablad

Egenskap	VÄrde	Enhet	Standard
Density	1.14	g/cm³	ISO 1183
Density	1.13	g/cm³	ISO 1183
Tensile Strength	70	MPa	DIN EN ISO 527
Tensile Strength	83	MPa	ISO 527
Modulus of elasticity (tensile)	3250	MPa	ISO 527-2
Modulus of elasticity (tensile)	3330	MPa	ISO 527
Breakdown Voltage	75	MPa	ISO 527-2
Breakdown Voltage	54	MPa	ISO 527
Break Elongation	40	%	ISO 527-2
Break Elongation	50	%	ISO 527
Melting point	220	°C	ISO 3146
Melting point	220	°C	ISO 3146
Maximal operating temperature (short-term)	160	°C	
Maximal operating temperature (short-term)	130	°C	UL746B
Maximum Operating Temperature	90.5	°C	
Maximum Operating Temperature	85	°C	
Minimum temperature	-36	°C	
Minimum temperature	-40	°C	
Heat deflection temperature (HDT/A)	70	°C	ISO 75-2
Heat deflection temperature (HDT/A)	75	°C	ISO 75-2
Heat deflection temperature (HDT/B)	140	°C	ISO 75-2
Heat deflection temperature (HDT/B)	190	°C	ISO 75-2
Vicat softening temperature (VST/B/50)	190	°C	ISO 306
Dielectric Strength	30	kV/mm	IEC 60243-1
Dielectric Strength	25	kV/mm	IEC 60243-1
Volume Resistivity	10¹·³	Î·cm	IEC 60093
Volume Resistivity	10¹·²	Î·cm	IEC 60093

Egenskap	VÄrde	Enhet	Standard
Dielectric Constant (1 MHz)	3.8	-	IEC 60250
Dielectric Constant (1 MHz)	3.7	-	IEC 60250
Dielectric loss factor (1 MHz)	0.03	-	IEC 60250
Dielectric Constant (100 Hz)	3.9	-	IEC 60250
Dielectric loss factor (1 MHz)	0.0	-	IEC 60250
Dielectric loss factor (100 Hz)	0.0	-	IEC 60250
Flammability Classification (UL 94)	3		UL 94
Flexural Strength	76	MPa	ISO 527-2
Flexural Strength	100	MPa	ISO 178
Thermal Conductivity	0.32	W/(m·K)	DIN 52612
Thermal Conductivity	0.28	W/(m·K)	DIN 52612
Surface Resistivity	10 ¹¹ Ω	Ω	IEC 60093
Comparative Tracking Index (CTI)	600	V	IEC 60112
Surface Resistivity	10 ¹¹ Ω	Ω	IEC 60093
Comparative Tracking Index (CTI)	600	V	IEC 60112
Water absorption to saturation	2.5	%	ISO 62
Water absorption to saturation	9.5	%	ISO 62
Water Absorption to Saturation	9	%	ISO 62
Water Absorption to Saturation	9.5	%	ISO 62
Notched impact strength (Charpy)	5.5	kJ/m²	ISO 179/1eA
Notched impact strength (Charpy)	7	kJ/m²	ISO 179
Thermal Expansion Coefficient	1.1	10 ⁻⁶ /K	ISO 11359
Thermal Expansion Coefficient	0.9	10 ⁻⁶ /K	ISO 11359
Hardness Shore D	82	° Shore D	DIN EN ISO 868
Hardness Shore D	80	° Shore D	ISO 868
Ball pressure hardness	150	MPa	ISO 2039-1
Ball pressure hardness	155	MPa	ISO 2039

● Beständigt
 ● Delvis beständigt
 ● Ej beständigt

Kemikalie	Konc.	Resultat
Acetic Acid	100	
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 Disulfide	100	
Carbon Tetrachloride	â€”	
Chlorine (gas)	100	
Chlorobenzene	100	
Chloroform	â€”	
Citric Acid	10	
Cresol	â€”	
Cyclohexanone	100	
Cyclohexene	100	
Diesel Fuel	â€”	
Diethylene Oxide	â€”	
Ethyl Acetate	100	
Ethyl Alcohol	96	
Ethylene Chloride	100	
Food Oil	â€”	
Formaldehyde (aqueous)	40	
Formic Acid	10	
Frost Protection Agent	â€”	
Fuel (aromatic free)	â€”	
Glycerine	100	
Glycol	100	
Heating Oil	â€”	
Heptane	100	

Kemikalie	Konc.	Resultat
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	100	
Methyl Ethyl Ketone (MEK)	100	
Methylene Chloride	100	
Milk	â€”	
Mineral Oils (aromatic free)	â€”	
Nitric Acid	10	
Nitric Acid	50	
Nitrobenzene	â€”	
Oxalic Acid	â€”	
Ozone Gas	â‰¥ 0.5 ppm	
Paraffine Oil	100	
Perchloroethylene	â€”	
Petroleum	100	
Petroleum Ether	100	
Phenol (aqueous)	ca. 9	
Phosphoric Acid	50	
Potassium Hydroxide liquor	50	
Premium Fuel	â€”	
Propyl Alcohol	â€”	
Pyridine	â€”	
Silicone Oil	â€”	
Sodium Carbonate (aqueous)	â€”	
Sodium Chloride (aqueous)	â€”	
Sodium Hydrogen Sulfite	â€”	
Sodium Hydroxide liquor	60	
Sodium Hydroxide liquor	15	

Kemikalie	Konc.	Resultat
Sodium Nitrate (aqueous)	â€”	●
Sodium Thiosulfate	â€”	●
Sulfuric Acid	96	●
Tetrahydrofuran (THF)	100	●
Toluene	100	●
Transformer Oil	â€”	●
Trichloroethylene	100	●
Vinegar (standard)	5 - 10	●
Water	â€”	●
Xylene	â€”	●