PLASTSHOP.SE

Komplett teknisk dokumentation

PlastShop.se - 2026-03-26

PA6.6 GF30 30x1000 mm svart

Artikelnr	P1002484
Material	PA

1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Density	**1.3**	g/cm³	ISO 1183
Tensile Strength	**100**	MPa	ISO 527
Modulus of elasticity (tensile)	**5900**	MPa	ISO 527-2
Breakdown Voltage	**100**	MPa	ISO 527-2
Break Elongation	**5**	%	ISO 527-2
Melting point	**257.5**	°C	ISO 3146
Maximal operating temperature (short-term)	**175**	°C	UL746B
Maximum Operating Temperature	**120**	°C	
Minimum temperature	**-20**	°C	
Heat deflection temperature (HDT/A)	**150**	°C	ISO 75-2
Heat deflection temperature (HDT/B)	**250**	°C	ISO 75
Dielectric Strength	**30**	kV/mm	IEC 60243-1
Volume Resistivity	**~10^{14}**	Ω·cm	IEC 60093
Dielectric Constant (1 MHz)	**3.6**	-	IEC 60250
Dielectric loss factor (1 MHz)	**0.0**	-	IEC 60250
Thermal Conductivity	**0.31**	W/(m·K)	DIN 52612
Surface Resistivity	**~10^{13}**	Ω	IEC 60093
Comparative Tracking Index (CTI)	**475**	V	IEC 60112
Water absorption to saturation	**3.6**	%	ISO 62
Water Absorption to Saturation	**5.5**	%	ISO 62
Notched impact strength (Charpy)	**6**	kJ/m²	ISO 179/1eA
Impact Resistance (Charpy)	**50**	kJ/m²	ISO 179/1eU
Thermal Expansion Coefficient	**0.5**	10^{-4}/K	ISO 11359
Hardness Shore D	**85**	° Shore D	ISO 868
Ball pressure hardness	**165**	MPa	ISO 2039-1

2. Kemisk beständighet

Beständig Delvis beständig Ej beständig

Kemikalie	Konc.	Resultat
1,4-Dioxane	100	
2-Hydroxypropionic Acid	90	
Acetic Acid	100	
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 Disulfide	100	
Carbon Tetrachloride	-	
Chlorine (gas)	100	
Chlorobenzene	100	
Chloroform	-	
Citric Acid	10	
Cresol	-	
Cyclohexanone	100	
Cyclohexene	100	
Diesel Fuel	-	
Diethylene Oxide	-	
Ethyl Acetate	100	
Ethyl Alcohol	96	
Ethylene Chloride	100	
Food Oil	-	
Formaldehyde (aqueous)	40	
Formic Acid	10	
Frost Protection Agent	-	

Kemikalie	Konc.	Resultat
Fuel (aromatic free)	-	🟢
Glycerine	100	🟢
Glycol	100	🟢
Heating Oil	-	🟢
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	100	🔴
Methyl Ethyl Ketone (MEK)	100	🔴
Methylene Chloride	100	🔴
Milk	-	🟢
Mineral Oils (aromatic free)	-	🟢
Nitric Acid	10	🔴
Nitric Acid	50	🔴
Nitrobenzene	-	🟡
Oxalic Acid	-	🟢
Ozone Gas	≤ 0.5 ppm	🔴
Paraffine Oil	100	🟢
Perchloroethylene	-	🟢
Petroleum	100	🟢
Petroleum Ether	100	🟢
Phenol (aqueous)	ca. 9	🔴
Phosphoric Acid	50	🔴
Potassium Hydroxide liquor	50	🟢
Premium Fuel	-	🟢
Propyl Alcohol	-	🔴
Pyridine	-	🟡
Silicone Oil	-	🟢

Kemikalie	Konc.	Resultat
Sodium Carbonate (aqueous)	-	🟢
Sodium Chloride (aqueous)	-	🟢
Sodium Hydrogen Sulfite	-	🟢
Sodium Hydroxide liquor	60	🟢
Sodium Hydroxide liquor	15	🟢
Sodium Nitrate (aqueous)	-	🟢
Sodium Thiosulfate	-	🟢
Sulfuric Acid	96	🔴
Tetrahydrofuran (THF)	100	🟡
Toluene	100	🟢
Transformer Oil	-	🟢
Trichloroethylene	100	🟡
Vinegar (standard)	5 - 10	🟢
Water	-	🟢
Xylene	-	🟢