

PPS 10x1000 mm natur

Artikelnr P1010759

Material PPS

1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Density	1.65	g/cm ³	ISO 1183
Tensile Strength	83	MPa	ISO 527
Modulus of elasticity (tensile)	7630	MPa	ISO 527
Breakdown Voltage	136.5	MPa	ISO 527
Break Elongation	4	%	ISO 527
Melting point	280	°C	ISO 3146
Maximal operating temperature (short-term)	230	°C	UL746B
Maximum Operating Temperature	162	°C	
Minimum temperature	-13	°C	
Heat deflection temperature (HDT/A)	260	°C	ISO 75
Dielectric Strength	28	kV/mm	IEC 60243-1
Volume Resistivity	10¹⁴	Ω·cm	DIN EN 62631-3-1
Dielectric Constant (1 MHz)	3.6	-	IEC 60250
Dielectric loss factor (1 MHz)	0.0	-	IEC 60250
Flexural Strength	144	MPa	ISO 178
Thermal Conductivity	0.25	W/(m·K)	DIN 52612
Surface Resistivity	10¹⁴	Ω	DIN EN 62631-3-2
Comparative Tracking Index (CTI)	125	V	IEC 60112
Water absorption to saturation	0.02	%	ISO 62
Water Absorption to Saturation	0.02	%	ISO 62
Notched impact strength (Charpy)	5	kJ/m ²	DIN EN ISO 179
Impact Resistance (Charpy)	27	kJ/m ²	ISO 179
Thermal Expansion Coefficient	0.3	10 ⁻⁴ /K	DIN 11359
Hardness Shore D	90	° Shore D	ISO 868

Egenskap	Värde	Enhet	Standard
Ball pressure hardness	343	MPa	ISO 2039

2. Kemisk beständighet

● Beständig
 ● Delvis beständig
 ● Ej beständig

Kemikalie	Konc.	Resultat
1,4-Dioxane	100	●
Acetone	100	●
Ammonia	-	●
Ammonium chloride	-	●
Benzene	-	●
Brake fluid	-	●
Butyl acetate	-	●
Calcium chloride	-	●
Carbon tetrachloride	-	●
Chlorobenzene	100	●
Chloroform	-	●
Diesel	-	●
Diethylene oxide	-	●
Ethyl acetate	100	●
Ethyl alcohol (ethanol)	96	●
Frost protection agent	-	●
Fuel, aromatic free	-	●
Glycerine	100	●
Hydrochloric acid (10%)	10	●
Hydrochloric acid (concentrated)	-	●
Isopropyl alcohol	100	●
Methyl alcohol (methanol)	100	●
Methyl ethyl ketone (MEK)	100	●
Methylene chloride	100	●
Mineral oils (aromatic free)	-	●
Nitric acid (10%)	10	●
Nitric acid (50%)	50	●
Perchloroethylene	-	●
Phenol, aqueous	9	●
Phosphoric acid	50	●

Kemikalie	Konc.	Resultat
Premium fuel	-	●
Sodium chloride, aqueous	-	●
Sodium hydroxide solution (15%)	15	●
Sodium hydroxide solution (60%)	60	●
Sulphuric acid	96	●
Tetrahydrofuran (THF)	100	●
Toluene	100	●
Transformer oil	-	●
Trichloroethylene	100	●
Water	-	●
Xylene	-	●