

PVDF 70x1000 mm black

Artikelnr P1010518

1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Density	1.78	g/cm ³	ISO1183
Tensile Strength	40	MPa	ISO 527
Modulus of elasticity (tensile)	2200	MPa	ISO527-2
Breakdown Voltage	46	MPa	ISO 527
Break Elongation	17	%	ISO527-2
Melting point	171	°C	ISO11357
Maximal operating temperature (short-term)	142	°C	UL746B
Maximum Operating Temperature	130	°C	UL746B
Minimum temperature	-26	°C	
Heat deflection temperature (HDT/A)	104	°C	ISO 75
Heat deflection temperature (HDT/B)	145	°C	ISO 75
Vicat softening temperature (VST/B/50)	138	°C	ISO 306
Dielectric Strength	27	kV/mm	IEC 60243-1
Volume Resistivity	10 ¹⁴ Ω·m	Ω·m	IEC 60093
Dielectric Constant (1 MHz)	7.7	-	IEC 60250
Dielectric loss factor (1 MHz)	0.1	-	IEC 60250
Flexural Strength	62	MPa	ISO527-2
Thermal Conductivity	0.25	W/(m·K)	DIN22007-4
Surface Resistivity	10 ¹⁴ Ω·m	Ω	IEC60093
Comparative Tracking Index (CTI)	600	V	IEC 60112
Water absorption to saturation	0.15	%	ISO62
Water Absorption to Saturation	0.35	%	ISO62
Notched impact strength (Charpy)	8	kJ/m ²	ISO 179
Impact Resistance (Charpy)	150	kJ/m ²	ISO179/1eU
Thermal Expansion Coefficient	1.6	10 ⁻⁶ /K	ISO11359
Hardness Shore D	80	° Shore D	ISO868
Ball pressure hardness	120	MPa	ISO 2039

Egenskap

Värde

Enhet

Standard

2. Kemisk beständighet

● Beständig
 ● Delvis beständig
 ● Ej beständig

Kemikalie	Konc.	Resultat
1,4-Dioxane	100	●
2-Hydroxypropionic acid (lactic acid)	90	●
Acetic acid	100	●
Acetone	100	●
Ammonia	â€”	●
Ammonium chloride	â€”	●
Amyl alcohol	â€”	●
Apple juice	â€”	●
Benzene	â€”	●
Bleaching solution	â€”	●
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	●

Kemikalie	Konc.	Resultat
Formic acid	10	●
Frost protection agent	â€”	●
Fuel oil	â€”	●
Fuel, aromatic free	â€”	●
Glycerine	100	●
Glycol	100	●
Heptane	100	●
Hydrochloric acid	10	●
Hydrochloric acid (concentrated)	â€”	●
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	10	●
Nitric acid (50%)	50	●
Nitrobenzene	â€”	●
Oxalic acid	â€”	●
Ozone (gas)	â‰¤ 0.5 ppm	●
Paraffin oil	100	●
Perchloroethylene	â€”	●
Petroleum	100	●
Phenol (aqueous)	ca. 9	●
Phosphoric acid	50	●
Potassium hydroxide solution	50	●
Premium fuel	â€”	●
Propyl alcohol	â€”	●
Pyridine	â€”	●

Kemikalie	Konc.	Resultat
Silicone oil	â€”	●
Sodium carbonate (aqueous)	â€”	●
Sodium chloride (aqueous)	â€”	●
Sodium hydrogen sulfite	â€”	●
Sodium hydroxide solution (60%)	60	●
Sodium hydroxide solution (caustic soda)	15	●
Sodium nitrate (aqueous)	â€”	●
Sodium thiosulfate	â€”	●
Sulphuric acid	96	●
Tetrahydrofuran (THF)	100	●
Toluene	100	●
Transformer oil	â€”	●
Trichloroethylene	100	●
Vinegar (standard)	5 - 10	●
Water	â€”	●
Xylene	â€”	●