



ECTFE 3000x1500x3 mm natur

Artikelnr P2202722
Material ECTFE

1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Density	1.65	g/cm³	DIN EN ISO 1183-1
Tensile Strength	30.8	MPa	DIN EN ISO 527
Modulus of elasticity (tensile)	1640	MPa	DIN EN ISO 527
Break Elongation	50	%	DIN EN ISO 527
Maximal operating temperature (short-term)	156	°C	
Maximum Operating Temperature	150	°C	
Minimum temperature	-40	°C	
Vicat softening temperature (VST/B/50)	118	°C	DIN EN ISO 306
Dielectric Strength	23	kV/mm	DIN IEC 60243-1
Thermal Conductivity	0.15	W/(m·K)	DIN 52612-1
Surface Resistivity	~10 ¹³	Ω	DIN EN 61340
Notched impact strength (Charpy)	100	kJ/m²	DIN EN ISO 179-1eA
Thermal Expansion Coefficient	1	10 ⁻⁴ /K	ISO 11359-2
Hardness Shore D	72.25	° Shore D	DIN EN ISO 868
Ball pressure hardness	56	MPa	DIN EN ISO 2039-1

2. Kemisk beständighet

Beständig Delvis beständig Ej beständig

Kemikalie	Konc.	Resultat
1,4-Dioxane	100	Delvis beständig
2-Hydroxypropionic Acid	90	Beständig
Acetic Acid	100	Beständig
Acetone	100	Beständig
Ammonia	-	Beständig

Kemikalie	Konc.	Resultat
Ammonium Chloride	-	●
Amyl Alcohol	-	●
Apple Juice	-	●
Benzene	-	●
Bleaching Solution	-	●
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	-	●
Fuel, aromatic free	-	●
Glycerine	100	●
Glycol	100	●
Heating Oil	-	●
Heptane	100	●
Hydrochloric Acid	10	●
Hydrochloric Acid (concentrated)	-	●
Hydrofluoric Acid	40	●

Kemikalie	Konc.	Resultat
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%)	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	-	●
Sodium Carbonate (aqueous)	-	●
Sodium Chloride (aqueous)	-	●
Sodium Hydrogen Sulfite	-	●
Sodium Hydroxide liquor	15	●
Sodium Hydroxide liquor (60)	60	●
Sodium Nitrate (aqueous)	-	●
Sodium Thiosulfate	-	●
Sulfuric Acid	96	●
Tetrahydrofuran (THF)	100	●

Kemikalie	Konc.	Resultat
Toluene	100	●
Transformer Oil	-	●
Trichloroethylene	100	●
Vinegar (standard)	5 - 10	●
Water	-	●
Xylene	-	●