PC GF30 1000x500x10 mm natural

Artikelnr P1002900

1. Tekniskt datablad

Egenskap	VÃ□rde	Enhet	Standard
Density	1.2	g/cmÂ³	ISO 1183
Tensile Strength	75	MPa	ISO 527
Modulus of elasticity (tensile)	2400	MPa	ISO 527-2
Breakdown Voltage	60	MPa	
Break Elongation	50	%	ISO 527-2
Melting point	160	Â°C	ISO 3146
Maximal operating temperature (short-term)	119	Â°C	UL746B
Maximum Operating Temperature	113.75	Â°C	
Minimum temperature	-54	Â°C	UL746B
Heat deflection temperature (HDT/A)	130	Â°C	ISO 75-2
Heat deflection temperature (HDT/B)	140	Â°C	ISO 75
Vicat softening temperature (VST/B/50)	150	Â°C	ISO 306
Dielectric Strength	29	kV/mm	IEC 60243-1
Volume Resistivity	10Â¹Â³	Î©Â·cm	IEC 60093
Dielectric Constant (1 MHz)	2.98	-	IEC 60250
Dielectric Constant (100 Hz)	3	-	IEC 60250
Dielectric loss factor (1 MHz)	0.0	-	IEC 60250
Dielectric loss factor (100 Hz)	0.0	-	IEC 60250
Flammability Classification (UL 94)	0		UL 94
Flexural Strength	2400	MPa	ISO 178
Thermal Conductivity	0.21	W/(mÂ·K)	DIN 52612
Surface Resistivity	10Â¹âµ	Î©	IEC 60093
Comparative Tracking Index (CTI)	279.2	V	IEC 60112
Water absorption to saturation	0.15	%	ISO 62
Water Absorption to Saturation	0.35	%	ISO 62
Notched impact strength (Charpy)	9	kJ/mÂ²	ISO 179/1eA
Thermal Expansion Coefficient	0.65	10â»â´/K	DIN 11359

Egenskap	VÃ□rde	Enhet	Standard
Hardness Shore D	85	Â° Shore D	ISO 868
Ball pressure hardness	120	MPa	ISO 2039-1

2. Kemisk bestÃ¤ndighet

BestÃ□ndig Delvis bestÃ□ndig Ej bestÃ□ndig

Kemikalie	Konc.	Resultat
1,4-Dioxane	100%	🟡
2-Hydroxypropionic acid (lactic acid)	90%	🟢
Acetic acid	100%	🔴
Acetone	100%	🔴
Ammonia	conc.	🔴
Ammonium chloride	â€”	🟢
Apple juice	â€”	🟡
Benzene	â€”	🔴
Bleaching solution	12.5 cl	🔴
Boric acid	100%	🟢
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)	conc.	🟡
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€”	🟢
Nitric acid (10%)	10%	🟡
Nitric acid (50%)	50%	🔴
Nitrobenzene	â€”	🔴
Oxalic acid	â€”	🟢
Ozone (gas)	â‰¤ 0.5 ppm	🟡
Paraffin oil	100%	🟢
Perchloroethylene	â€”	🔴
Petroleum	100%	🟡
Petroleum ether	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 (15%)	15%	🔴
Sodium hydroxide solution (60%)	60%	🔴
Sodium nitrate, aqueous	â€”	🟢
Sulphuric acid	96%	🔴
Tetrahydrofuran (THF)	100%	🔴
Toluene	100%	🔴
Trichloroethylene	100%	🔴
Vinegar, standard	5-10%	🟢
Water	â€”	🟢
Xylene	â€”	🔴