



## PEI 101,6x1220 mm amber

Artikelnr P1003401

### 1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Density	1.27	g/cm <sup>3</sup>	ISO 1183
Tensile Strength	108.3	MPa	ISO 527
Modulus of elasticity (tensile)	3333.3	MPa	ISO 527
Breakdown Voltage	85	MPa	ISO 527
Break Elongation	36.7	%	ISO 527
Melting point	217	°C	ISO 3146
Maximal operating temperature (short-term)	170	°C	UL746B
Heat deflection temperature (HDT/A)	190	°C	ISO 75
Heat deflection temperature (HDT/B)	200	°C	ISO 75
Vicat softening temperature (VST/B/50)	211	°C	ISO 306
Dielectric Strength	33	kV/mm	IEC 60243-1
Volume Resistivity	10 <sup>14</sup> Ω <sup>3</sup>	Ω·cm	IEC 60093
Dielectric Constant (1 MHz)	2.9	-	IEC 60250
Dielectric loss factor (1 MHz)	0.0	-	IEC 60250
Flexural Strength	158.3	MPa	ISO 178
Thermal Conductivity	0.24	W/(m·K)	ISO 22007-4
Surface Resistivity	10 <sup>14</sup> Ω <sup>3</sup>	Ω	IEC 60093
Comparative Tracking Index (CTI)	125	V	IEC 60112
Water absorption to saturation	0.8	%	ISO 62
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Notched impact strength (Charpy)	4	kJ/m <sup>2</sup>	ISO 180
Impact Resistance (Charpy)	115	kJ/m <sup>2</sup>	ISO 179
Thermal Expansion Coefficient	0.56	10 <sup>-6</sup> /K	ISO 11359
Hardness Shore D	87	° Shore D	ISO 868
Ball pressure hardness	220	MPa	ISO 2039

### 2. Kemisk beständighet

● Beständigt
 ● Delvis beständigt
 ● Ej beständigt

Kemikalie	Konc.	Resultat
1,4-Dioxane	100%	●
Acetone	100%	●
Ammonia	concentrated	●
Ammonium chloride	â€	●
Apple juice	â€	●
Brake fluid	â€	●
Calcium chloride	â€	●
Chlorobenzene	100%	●
Chloroform	â€	●
Citric acid	10%	●
Diesel	â€	●
Ethyl acetate	100%	●
Ethyl alcohol (ethanol)	96%	●
Ethylene chloride	100%	●
Food oil	â€	●
Formaldehyde (aqueous)	40%	●
Formic acid	10%	●
Frost protection agent	â€	●
Fuel (aromatic free)	â€	●
Fuel oil	â€	●
Glycerine	100%	●
Glycol	100%	●
Heptane	100%	●
Hydrochloric acid	10%	●
Hydrochloric acid (concentrated)	concentrated	●
Methyl alcohol (methanol)	100%	●
Methyl ethyl ketone (MEK)	100%	●
Methylene chloride	100%	●
Milk	â€	●
Mineral oil (aromatic free)	â€	●
Nitric acid	10%	●
Nitric acid	50%	●
Paraffin oil	100%	●

Kemikalie	Konc.	Resultat
Phosphoric acid	50%	●
Potassium hydroxide solution	50%	●
Premium fuel	â€”	●
Pyridine	â€”	●
Silicone oil	â€”	●
Sodium carbonate (aqueous)	â€”	●
Sodium chloride (aqueous)	â€”	●
Sodium hydrogen sulfite	â€”	●
Sulphuric acid	96%	●
Tetrahydrofuran (THF)	100%	●
Toluene	100%	●
Transformer oil	â€”	●
Trichloroethylene	100%	●
Vinegar (standard)	5-10%	●
Water	â€”	●