

## PA6.6 1000x610x25 mm natur

Artikelnr P1002124

Material PA

### 1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Density	<b>1.14</b>	g/cm <sup>3</sup>	ISO 1183
Tensile Strength	<b>85</b>	MPa	DIN EN ISO 527
Modulus of elasticity (tensile)	<b>3100</b>	MPa	ISO 527-2
Break Elongation	<b>40</b>	%	ISO 527-2
Melting point	<b>260</b>	°C	ISO 3146
Maximal operating temperature (short-term)	<b>175</b>	°C	
Maximum Operating Temperature	<b>95</b>	°C	
Minimum temperature	<b>-30</b>	°C	
Heat deflection temperature (HDT/A)	<b>85</b>	°C	ISO 75-2
Dielectric Strength	<b>27</b>	kV/mm	IEC 60243-1
Volume Resistivity	<b>10<sup>14</sup></b>	Ω·cm	IEC 60093
Dielectric Constant (1 MHz)	<b>3.55</b>	-	IEC 60250
Dielectric Constant (100 Hz)	<b>3.8</b>	-	IEC 60250
Dielectric loss factor (1 MHz)	<b>0.02</b>	-	IEC 60250
Dielectric loss factor (100 Hz)	<b>0.0</b>	-	IEC 60250
Flexural Strength	<b>998.3</b>	MPa	ISO 178
Thermal Conductivity	<b>0.28</b>	W/(m·K)	DIN 52612
Surface Resistivity	<b>10<sup>13</sup></b>	Ω	IEC 60093
Comparative Tracking Index (CTI)	<b>600</b>	V	IEC 60112
Water absorption to saturation	<b>2.4</b>	%	ISO 62
Water Absorption to Saturation	<b>8</b>	%	ISO 62
Notched impact strength (Charpy)	<b>6</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Impact Resistance (Charpy)	<b>50</b>	kJ/m <sup>2</sup>	ISO 179
Thermal Expansion Coefficient	<b>0.8</b>	10 <sup>-4</sup> /K	ISO 11359
Hardness Shore D	<b>83</b>	° Shore D	DIN EN ISO 868

Egenskap	Värde	Enhet	Standard
Ball pressure hardness	174	MPa	ISO 2039-1

## 2. Kemisk beständighet

● Beständig
 ● Delvis beständig
 ● Ej beständig

Kemikalie	Konc.	Resultat
1,4-Dioxane	100	<span style="color: yellow;">●</span>
2-Hydroxypropionic Acid	90	<span style="color: red;">●</span>
Acetic Acid	100	<span style="color: green;">●</span>
Acetone	100	<span style="color: yellow;">●</span>
Ammonia	conc.	<span style="color: green;">●</span>
Ammonium Chloride	-	<span style="color: green;">●</span>
Amyl Alcohol	-	<span style="color: yellow;">●</span>
Apple Juice	-	<span style="color: green;">●</span>
Benzene	-	<span style="color: green;">●</span>
Bleaching Solution	12.5 cl	<span style="color: red;">●</span>
Boric Acid	100	<span style="color: yellow;">●</span>
Brake Fluid	-	<span style="color: green;">●</span>
Butyl Acetate	-	<span style="color: green;">●</span>
Calcium Chloride	-	<span style="color: green;">●</span>
Carbon Disulfide	100	<span style="color: green;">●</span>
Carbon Tetrachloride	-	<span style="color: green;">●</span>
Chlorine (gas)	100	<span style="color: red;">●</span>
Chlorobenzene	100	<span style="color: yellow;">●</span>
Chloroform	-	<span style="color: red;">●</span>
Citric Acid	10	<span style="color: green;">●</span>
Cresol	-	<span style="color: red;">●</span>
Cyclohexanone	100	<span style="color: green;">●</span>
Cyclohexene	100	<span style="color: yellow;">●</span>
Diesel Fuel	-	<span style="color: green;">●</span>
Diethylene Oxide	-	<span style="color: green;">●</span>
Ethyl Acetate	100	<span style="color: green;">●</span>
Ethyl Alcohol	96	<span style="color: yellow;">●</span>
Ethylene Chloride	100	<span style="color: red;">●</span>
Food Oil	-	<span style="color: green;">●</span>

Kemikalie	Konc.	Resultat
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)	conc.	●
Hydrofluoric Acid	40	●
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	●
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	-	●

Kemikalie	Konc.	Resultat
Pyridine	-	●
Silicone Oil	-	●
Sodium Carbonate (aqueous)	-	●
Sodium Chloride (aqueous)	-	●
Sodium Hydrogen Sulfite	-	●
Sodium Hydroxide liquor	60	●
Sodium Hydroxide liquor	15	●
Sodium Nitrate (aqueous)	-	●
Sodium Thiosulfate	-	●
Sulfuric Acid	96	●
Tetrahydrofuran (THF)	100	●
Toluene	100	●
Transformer Oil	-	●
Trichloroethylene	100	●
Vinegar (standard)	5 - 10	●
Water	-	●
Xylene	-	●