

**Product Texts**

Tribological properties

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>3500</b>	MPa	ISO 527
Tensile Strength	<b>92</b>	MPa	ISO 527
Yield stress	<b>92</b>	MPa	ISO 527
Yield strain	<b>6.9</b>	%	ISO 527
Stress at break	<b>90</b>	MPa	ISO 527
Strain at break	<b>23.9</b>	%	ISO 527
Flexural modulus, 23°C	<b>3900</b>	MPa	ISO 178
Charpy impact strength, +23°C	<b>N</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>6.3</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Ball indentation hardness	<b>175</b>	MPa	ISO 2039-1

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>171</b>	°C	ISO 75-1/-2
Burning behav. at thickness h	<b>V-0</b>	class	IEC 60695-11-10
Thickness tested	<b>3.2</b>	mm	-

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Volume resistivity	<b>&gt;1E13</b>	Ohm*m	IEC 62631-3-1
Surface resistivity	<b>6.8E12</b>	Ohm	IEC 62631-3-2
Electric strength	<b>27</b>	kV/mm	IEC 60243-1

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Water absorption	<b>0.1</b>	%	Sim. to ISO 62
Density	<b>1330</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics**

**Processing**

Injection Molding

**Delivery form**

Granules

**Special Characteristics**

U.V. stabilized or stable to weather

**Chemical Resistance**

General Chemical Resistance

**Certifications**

Food approval FDA 21 CFR, Drinking water contact