

**Product Texts**

Tribological properties

**Mechanical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	3600	MPa	ISO 527
Tensile Strength	110	MPa	ISO 527
Yield stress	110	MPa	ISO 527
Yield strain	7	%	ISO 527
Stress at break	84	MPa	ISO 527
Strain at break	12.6	%	ISO 527
Flexural modulus, 23°C	4000	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	8	kJ/m <sup>2</sup>	ISO 179/1eA
Ball indentation hardness	174	MPa	ISO 2039-1

**Thermal properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	160	°C	ISO 75-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	3.2	mm	-
Oxygen index	35	%	ISO 4589-1/-2

**Electrical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	2.8E12	Ohm	IEC 62631-3-2
Electric strength	22.5	kV/mm	IEC 60243-1
Comparative tracking index	150	-	IEC 60112

**Other properties**

	Value	Unit	Test Standard
Water absorption	0.05	%	Sim. to ISO 62
Density	1300	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding

**Delivery form**

Granules

**Special Characteristics**

U.V. stabilized or stable to weather

**Features**

Weldable

**Chemical Resistance**

General Chemical Resistance, Oil Resistance

**Certifications**

Food approval FDA 21 CFR, Drinking water contact