

**Product Texts**

Tribological properties

**Mechanical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	310	MPa	ISO 527
Tensile Strength	38	MPa	ISO 527
Yield stress	19	MPa	ISO 527
Yield strain	16	%	ISO 527
Stress at break	35	MPa	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	400	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 179/1eA
Ball indentation hardness	35	MPa	ISO 2039-1

**Thermal properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	110	°C	ISO 75-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.2	mm	-

**Electrical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Volume resistivity	1E12	Ohm*m	IEC 62631-3-1
Surface resistivity	4E12	Ohm	IEC 62631-3-2
Electric strength	22	kV/mm	IEC 60243-1

**Other properties**

	Value	Unit	Test Standard
Water absorption	0.2	%	Sim. to ISO 62
Density	1230	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding

**Delivery form**

Granules, Black

**Special Characteristics**

U.V. stabilized or stable to weather

**Features**

Soft Feel

**Chemical Resistance**

General Chemical Resistance

**Certifications**

Food contact, Food approval FDA 21 CFR, Drinking water contact