

Product Texts

Tribological properties

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	4400	MPa	ISO 527
Tensile Strength	113	MPa	ISO 527
Yield stress	113	MPa	ISO 527
Yield strain	5	%	ISO 527
Stress at break	98	MPa	ISO 527
Strain at break	9	%	ISO 527
Flexural modulus, 23°C	2940	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	6.2	kJ/m ²	ISO 179/1eA
Ball indentation hardness	190	MPa	ISO 2039-1

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	165	°C	ISO 75-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	3.2	mm	-

Electrical properties

	Value	Unit	Test Standard
ISO Data			
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	7.8E11	Ohm	IEC 62631-3-2
Electric strength	26	kV/mm	IEC 60243-1

Other properties

	Value	Unit	Test Standard
Water absorption	0.05	%	Sim. to ISO 62
Density	1340	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding

Delivery form

Granules, Black

Special Characteristics

U.V. stabilized or stable to weather

Chemical Resistance

General Chemical Resistance

Certifications

Drinking water contact