

Product Texts

Tribological properties

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	7800	MPa	ISO 527
Tensile Strength	142	MPa	ISO 527
Yield stress	120	MPa	ISO 527
Stress at break	136	MPa	ISO 527
Strain at break	4.5	%	ISO 527
Flexural modulus, 23°C	7000	MPa	ISO 178
Charpy impact strength, +23°C	23	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	9.3	kJ/m ²	ISO 179/1eA
Ball indentation hardness	231	MPa	ISO 2039-1

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	270	°C	ISO 75-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	3.2	mm	-
Oxygen index	43	%	ISO 4589-1/-2

Electrical properties

	Value	Unit	Test Standard
ISO Data			
Volume resistivity	300	Ohm*m	IEC 62631-3-1
Surface resistivity	19000	Ohm	IEC 62631-3-2
Electric strength	0.1	kV/mm	IEC 60243-1

Other properties

	Value	Unit	Test Standard
Water absorption	0.05	%	Sim. to ISO 62
Density	1480	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding

Delivery form

Granules

Special Characteristics

U.V. stabilized or stable to weather

Chemical Resistance

General Chemical Resistance

Certifications

Drinking water contact