

Product Texts

Tribological properties

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2200	MPa	ISO 527
Tensile Strength	50	MPa	ISO 527
Yield stress	50	MPa	ISO 527
Stress at break	47	MPa	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	2080	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	15.4	kJ/m ²	ISO 179/1eA
Ball indentation hardness	92	MPa	ISO 2039-1

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	69	°C	ISO 75-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.2	mm	-
Oxygen index	21	%	ISO 4589-1/-2

Electrical properties

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

Other properties

	Value	Unit	Test Standard
Water absorption	0.35	%	Sim. to ISO 62
Density	1300	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding

Delivery form

Granules, White

Special Characteristics

U.V. stabilized or stable to weather

Features

Amorphous

Chemical Resistance

General Chemical Resistance

Certifications

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