

Product Texts

Tribological properties

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	200	MPa	ISO 527
Tensile Strength	37	MPa	ISO 527
Yield stress	14	MPa	ISO 527
Yield strain	20	%	ISO 527
Stress at break	30	MPa	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	350	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	N	kJ/m ²	ISO 179/1eA
Ball indentation hardness	49	MPa	ISO 2039-1

Thermal properties

	Value	Unit	Test Standard
ISO Data			
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
ISO Data			
Volume resistivity	2E12	Ohm*m	IEC 62631-3-1
Surface resistivity	4E12	Ohm	IEC 62631-3-2
Electric strength	21	kV/mm	IEC 60243-1

Other properties

	Value	Unit	Test Standard
Water absorption	0.2	%	Sim. to ISO 62
Density	1200	kg/m ³	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