

Product Texts

Tribological properties

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2900	MPa	ISO 527
Tensile Strength	78	MPa	ISO 527
Yield stress	78	MPa	ISO 527
Yield strain	6	%	ISO 527
Stress at break	70	MPa	ISO 527
Strain at break	9.5	%	ISO 527
Flexural modulus, 23°C	3300	MPa	ISO 178
Charpy impact strength, +23°C	54	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	6	kJ/m ²	ISO 179/1eA
Ball indentation hardness	136	MPa	ISO 2039-1

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	75	°C	ISO 75-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.2	mm	-
Oxygen index	24	%	ISO 4589-1/-2

Electrical properties

	Value	Unit	Test Standard
ISO Data			
Volume resistivity	2E12	Ohm*m	IEC 62631-3-1
Surface resistivity	6E10	Ohm	IEC 62631-3-2
Electric strength	21.5	kV/mm	IEC 60243-1
Comparative tracking index	305	-	IEC 60112

Other properties

	Value	Unit	Test Standard
Water absorption	0.3	%	Sim. to ISO 62
Density	1350	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding

Delivery form

Granules, White

Special Characteristics

High impact or impact modified, U.V. stabilized or stable to weather

Features

Weldable

Chemical Resistance

General Chemical Resistance

Certifications

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