

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	1.5	%	ISO 294-4, 2577
Molding shrinkage, normal	1.8	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	3100	MPa	ISO 527
Yield stress	82	MPa	ISO 527
Yield strain	4.2	%	ISO 527
Strain at break	40	%	ISO 527
Flexural modulus, 23°C	2900	MPa	ISO 178
Flexural strength	94	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	5.4	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	4.2	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	4.7	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	261	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	72	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	200	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	90	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	110	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-2	class	IEC 60695-11-10
Thickness tested	0.7	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (1)	0.71	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Electric strength	32	kV/mm	IEC 60243-1
Other Standards^[5]			
Volume resistivity	4E12	Ohm*m	IEC 60093
Surface resistivity	2E14	Ohm	IEC 60093

S: These properties are reported by the producer according standards that are different to our defaults.

Other properties	Value	Unit	Test Standard
Humidity absorption	2.6	%	Sim. to ISO 62
Density	1140	kg/m ³	ISO 1183

Material specific properties	Value	Unit	Test Standard
ISO Data			
Viscosity number	150 ^[1]	cm ³ /g	ISO 307, 1157, 1628

1: VN at 0.5% in sulfuric acid, nominal

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.2	%	-
Melt temperature	280 - 295	°C	-
Mold temperature	50 - 90	°C	-
Zone 1	250 - 280	°C	-
Zone 2	275 - 290	°C	-
Zone 3	275 - 290	°C	-

Nozzle temperature	275 - 290	°C	-
Screw speed	75 - 180	rpm	-
Back pressure	0.2 - 1	MPa	-

Characteristics

Processing

Injection Molding, Other Extrusion

Delivery form

Natural Color

Features

Color Stability

Certifications

RoHS compliant

Applications

General Purpose

Regional Availability

North America, Europe, Asia Pacific, South and Central America