

Processing/Physical Characteristics	dry / cond	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	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	3200 / 1180	MPa	ISO 527
Yield stress	82 / 49	MPa	ISO 527
Yield strain	4.2 / 25	%	ISO 527
Strain at break	35 / >50	%	ISO 527
Flexural modulus, 23°C	2900 / 1100	MPa	ISO 178
Flexural strength	95 / 33	MPa	ISO 178
Charpy impact strength, +23°C	N / N	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	N / N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	5.5 / 15	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	4.3 / 5.2	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	5.4 / 12	kJ/m ²	ISO 180/1A

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	261 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	66 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	204 / *	°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 1.5 mm nom. thickn.	V-2 / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	-
Burning behav. at thickness h	V-2 / *	class	IEC 60695-11-10
Thickness tested	0.4 / *	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (1)	0.71	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (2)	1.5	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (3)	3	mm	-

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	2E12 / -	Ohm*m	IEC 62631-3-1
Comparative tracking index	600 / -	-	IEC 60112
Other Standards^{S1}			
Electric strength	18 / -	kV/mm	UL 746A
Arc Resistance	420 / -	s	UL 746A

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

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

Material specific properties	dry / cond	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	270 - 290	°C	-
Zone 3	270 - 290	°C	-
Nozzle temperature	270 - 290	°C	-
Screw speed	50 - 150	rpm	-
Back pressure	0.5 - 3	MPa	-

Characteristics

Processing

Injection Molding, Other Extrusion

Certifications

RoHS compliant

Delivery form

White

Applications

General Purpose

Additives

Lubricants, Release agent

Regional Availability

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