

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

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	3150	MPa	ISO 527
Yield stress	85	MPa	ISO 527
Yield strain	4.2	%	ISO 527
Strain at break	30	%	ISO 527
Flexural modulus, 23°C	2900	MPa	ISO 178
Flexural strength	95	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	5.3	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	4.9	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	4.2	kJ/m <sup>2</sup>	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	260	°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	215	°C	ISO 75-1/-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	-

Electrical properties	Value	Unit	Test Standard
<b>Other Standards<sup>[5]</sup></b>			
Electric strength	18	kV/mm	UL 746A
Comparative tracking index	600	-	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	Value	Unit	Test Standard
Humidity absorption	2.6	%	Sim. to ISO 62
Density	1140	kg/m <sup>3</sup>	ISO 1183

Material specific properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Viscosity number	140 <sup>[1]</sup>	cm <sup>3</sup> /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 - 270	°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

**Additives**

Lubricants

**Special Characteristics**

High impact or impact modified

**Features**

Ductile, Nucleated

**Certifications**

RoHS compliant

**Regional Availability**

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