

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>Other Standards<sup>[5]</sup></b>			
Mold Shrinkage, MD	0.002	mm/mm	
Mold Shrinkage, TD	0.006	mm/mm	

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

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	10500 / -	MPa	ISO 527
Stress at break	170 / 171	MPa	ISO 527
Strain at break	2.4 / 2.3	%	ISO 527
Flexural modulus, 23°C	9500 / -	MPa	ISO 178
Flexural strength	250 / -	MPa	ISO 178
Charpy impact strength, +23°C	65 / 62	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	13 / 11	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact strength, +23°C	60 / -	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	12 / -	kJ/m <sup>2</sup>	ISO 180/1A
<b>Other Standards<sup>[5]</sup></b>			
Compressive Strength	215 / -	MPa	ISO 604

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Thermal properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	280 / *	°C	ISO 11357-1/-3
Coeff. of linear therm. expansion, parallel	20 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	55 / *	E-6/K	ISO 11359-1/-2
<b>ASTM Data</b>			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	3	mm	-
DTUL @ 264 psi	255	°C	ASTM D 648
<b>Other Standards<sup>[5]</sup></b>			
Thermal Conductivity, solid state	0.27	W/(m K)	ASTM E 1530

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Electrical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Comparative tracking index	150 / -	-	IEC 60112
<b>ASTM Data</b>			
Dielectric Strength, Short Time	20 / -	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.002 / -	-	ASTM D 150
Dielectric Constant, 1 MHz	3.7 / -	-	ASTM D 150
Volume Resistivity	1E16 / -	Ohm*cm	ASTM D 257
Arc Resistance	125 / -	s	ASTM D 495

Other properties	dry / cond	Unit	Test Standard
Density	1520 / -	kg/m <sup>3</sup>	ISO 1183
Water Absorption, 24hr	0.02	%	ASTM D 570
<b>Other Standards<sup>[5]</sup></b>			
Water absorption	0.13 / *	%	Producer Method
Water Absorption, Equilibrium	0.11	%	Producer Method

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Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	85	°C	-
Pre-drying - Time	4 - 6	h	-
Melt temperature	310 - 320	°C	-
Mold temperature	135 - 150	°C	-

Zone 1	<b>295 - 305</b>	°C	-
Zone 2	<b>300 - 310</b>	°C	-
Zone 3	<b>305 - 315</b>	°C	-
Nozzle temperature	<b>305 - 315</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets, Natural Color

**Special Characteristics**

High impact or impact modified

**Features**

Ductile, Thermal Stability

**Chemical Resistance**

General Chemical Resistance

**Certifications**

RoHS compliant

**Regional Availability**

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