

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>Other Standards<sup>[S]</sup></b>			
Mold Shrinkage, MD	0.002	mm/mm	Producer Method
Mold Shrinkage, TD	0.005	mm/mm	Producer Method

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	15400 / 15600	MPa	ISO 527
Tensile Strength	180 / 176	MPa	ISO 527
Strain at break	1.6 / 1.5	%	ISO 527
Flexural modulus, 23°C	13000 / -	MPa	ISO 178
Flexural strength	260 / -	MPa	ISO 178
Charpy impact strength, +23°C	40 / 44	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	7.7 / 7.8	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact strength, +23°C	40 / -	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	8 / -	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Compressive Strength	285 / -	MPa	ASTM D 695

Thermal properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Coeff. of linear therm. expansion, parallel	15 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	45 / *	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0 / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	-
<b>ASTM Data</b>			
DTUL @ 264 psi	265	°C	ASTM D 648
<b>Other Standards<sup>[S]</sup></b>			
Thermal Conductivity, solid state	0.32	W/(m K)	ASTM E 1530

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Electrical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Comparative tracking index	175 / -	-	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	4 / -	-	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	1670 / -	kg/m <sup>3</sup>	ISO 1183
Water Absorption, 24hr	0.01	%	ASTM D 570
<b>Other Standards<sup>[S]</sup></b>			
Water Absorption, Equilibrium	0.05	%	Producer Method

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Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	135 - 150	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	320 - 330	°C	-
Mold temperature	135 - 150	°C	-
Zone 1	295 - 315	°C	-
Zone 2	305 - 325	°C	-
Zone 3	315 - 345	°C	-

Nozzle temperature

**305 - 325**

°C

-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets, Black

**Chemical Resistance**

General Chemical Resistance

**Certifications**

RoHS compliant

**Regional Availability**

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