

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	12	g/10min	ASTM D 1238
Temperature	316	°C	-
Load	5	kg	-
<b>Other Standards<sup>[5]</sup></b>			
Mold Shrinkage, MD	0.005	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	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	5800	MPa	ISO 527
Tensile Strength	110	MPa	ISO 527
Strain at break	2.9	%	ISO 527
Flexural modulus, 23°C	5500	MPa	ISO 178
Flexural strength	170	MPa	ISO 178
Izod impact strength, +23°C	45	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	10	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Modulus	6210	MPa	ASTM D 638
Tensile Strength	103	MPa	ASTM D 638
Elongation at Break	2.9	%	ASTM D 638
Flexural Modulus	5520	MPa	ASTM D 790
Flexural Strength	159	MPa	ASTM D 790
Rockwell Hardness	M 118	-	ASTM D 785
Izod Impact notched, 1/8 in	96	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	690	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
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	190	°C	ASTM D 648
Limiting Oxygen Index	50	%	ASTM D 2863
<b>Other Standards<sup>[5]</sup></b>			
Coefficient of Thermal Expansion, MD	30.6	E-6/K	ASTM E 831
Coefficient of Thermal Expansion, TD	55.8	E-6/K	ASTM E 831
Thermal Conductivity, solid state	0.23	W/(m K)	

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Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Dielectric Strength, Short Time	24	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.005	-	ASTM D 150
Dielectric Constant, 1 MHz	3.5	-	ASTM D 150
Surface Resistivity	1E16	Ohm	ASTM D 257
Volume Resistivity	1E15	Ohm*cm	ASTM D 257
Arc Resistance	100	s	ASTM D 495
<b>Other Standards<sup>[5]</sup></b>			
Comparative tracking index	150	-	UL 746A

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Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.01	%	ASTM D 570
Density	1420	kg/m <sup>3</sup>	ASTM D 792

**Characteristics**

**Processing**

Other Extrusion, Blow Molding

**Certifications**

RoHS compliant

**Delivery form**

Pellets, Black

**Applications**

Automotive

**Chemical Resistance**

General Chemical Resistance

**Regional Availability**

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