

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	3000 / 1200	MPa	ISO 527
<sup>[C]</sup> Yield stress	82 / 52	MPa	ISO 527
<sup>[C]</sup> Yield strain	4 / 24	%	ISO 527
Flexural modulus, 23°C	2700 / 1100	MPa	ISO 178
Flexural strength	113 / 42	MPa	ISO 178
<sup>[C]</sup> Charpy impact strength, +23°C	N / N	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	6 / 15	kJ/m <sup>2</sup>	ISO 179/1eA
Rockwell hardness	R 120	-	ISO 2039-2
<b>ASTM Data</b>			
Tensile Strength	79 / 57	MPa	ASTM D 638
Elongation at Break	50 / 250	%	ASTM D 638
Flexural Modulus	2800 / 1200	MPa	ASTM D 790
Flexural Strength	118 / 54	MPa	ASTM D 790
Rockwell Hardness	M 80 / M 55	-	ASTM D 785
Taber Abrasion Resistance	7	mg/1000 cycles	ASTM D 1044
Izod Impact notched, 1/8 in	39 / 147	J/m	ASTM D 256

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	70 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	190 / *	°C	ISO 75-1/-2
<sup>[C]</sup> Burning Behav. at thickness h	V-2 / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	-
Yellow Card available	yes / *	-	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (1)	3	mm	-
<b>ASTM Data</b>			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	0.75	mm	-
Coefficient of Thermal Expansion, MD	80	E-6/K	ASTM D 696
DTUL @ 66 psi	230	°C	ASTM D 648
DTUL @ 264 psi	70	°C	ASTM D 648
Limiting Oxygen Index	26	%	ASTM D 2863

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Volume resistivity	1E12 / -	Ohm*m	IEC 62631-3-1
<sup>[C]</sup> Surface resistivity	* / 1E13	Ohm	IEC 62631-3-2
<sup>[C]</sup> Electric strength	20 / -	kV/mm	IEC 60243-1
<sup>[C]</sup> Comparative tracking index	600 / -	-	IEC 60112
<b>ASTM Data</b>			
Dielectric Strength, Short Time	20 / -	kV/mm	ASTM D 149
Volume Resistivity	1E14 / -	Ohm*cm	ASTM D 257

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
<sup>[C]</sup> Humidity absorption	2.5 / *	%	Sim. to ISO 62
<sup>[C]</sup> Density	1140 / -	kg/m <sup>3</sup>	ISO 1183
Density	1140	kg/m <sup>3</sup>	ASTM D 792

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 90	°C	-

Pre-drying - Time	<b>2 - 3</b>	h	-
Melt temperature	<b>270 - 290</b>	°C	-
Mold temperature	<b>75 - 85</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Applications**

Automotive

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa