

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	10200 / 8200	MPa	ISO 527
<sup>[C]</sup> Stress at break	154 / 121	MPa	ISO 527
<sup>[C]</sup> Strain at break	2.5 / 3	%	ISO 527
Flexural modulus, 23°C	9700 / 7900	MPa	ISO 178
Flexural strength	244 / 180	MPa	ISO 178
<sup>[C]</sup> Charpy impact strength, +23°C	67 / 67	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	11 / 12	kJ/m <sup>2</sup>	ISO 179/1eA
Rockwell hardness	M 95	-	ISO 2039-2
<b>ASTM Data</b>			
Tensile Strength	162 / 127	MPa	ASTM D 638
Elongation at Break	2.5 / 3.5	%	ASTM D 638
Flexural Modulus	8900 / 7200	MPa	ASTM D 790
Flexural Strength	256 / 190	MPa	ASTM D 790
Rockwell Hardness	M 95 / M 55	-	ASTM D 785
Izod Impact notched, 1/8 in	92 / 110	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	240 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	256 / *	°C	ISO 75-1/-2
<sup>[C]</sup> Burning Behav. at thickness h	V-0 / *	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-0	-	UL 94
Thickness tested	0.75	mm	-
Coefficient of Thermal Expansion, MD	30	E-6/K	ASTM D 696
DTUL @ 66 psi	255	°C	ASTM D 648
DTUL @ 264 psi	250	°C	ASTM D 648

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Volume resistivity	1E13 / -	Ohm*m	IEC 62631-3-1
<sup>[C]</sup> Surface resistivity	* / 1E14	Ohm	IEC 62631-3-2
<sup>[C]</sup> Electric strength	28 / -	kV/mm	IEC 60243-1
<sup>[C]</sup> Comparative tracking index	275 / -	-	IEC 60112
<b>ASTM Data</b>			
Dielectric Strength, Short Time	28 / -	kV/mm	ASTM D 149
Volume Resistivity	1E15 / -	Ohm*cm	ASTM D 257

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
<sup>[C]</sup> Humidity absorption	0.8 / *	%	Sim. to ISO 62
<sup>[C]</sup> Density	1540 / -	kg/m <sup>3</sup>	ISO 1183
Density	1540	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	2 - 3	h	-
Melt temperature	270 - 290	°C	-

Mold temperature

**75 - 85**

°C

-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Flame retardant, Heat stabilized or stable to heat

**Delivery form**

Pellets

**Regional Availability**

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