



Charpy Unnotched Impact Strength <sup>3</sup>		ISO 179
(-22 °F)	38.1 ft-lb/in <sup>2</sup>	
(73 °F)	38.1 ft-lb/in <sup>2</sup>	
Notched Izod Impact (73 °F)	2.62 ft-lb/in	ASTM D256
Notched Izod Impact Strength <sup>4</sup>		ISO 180
(-40 °F)	3.33 ft-lb/in <sup>2</sup>	
(73 °F)	6.19 ft-lb/in <sup>2</sup>	
Unnotched Izod Impact (73 °F)	18.0 ft-lb/in	ASTM D256
Unnotched Izod Impact Strength (73 °F) <sup>5</sup>	42.8 ft-lb/in <sup>2</sup>	ISO 180
<b>Thermal</b>	<b>Nominal Value Unit</b>	<b>Test Method</b>
DTUL @66psi - Unannealed	482 °F	ASTM D648
HDT B (0.45 MPa) Unannealed <sup>6</sup>	475 °F	ISO 75B-1, -2
DTUL @264psi - Unannealed	428 °F	ASTM D648
HDT A (1.80 MPa) Unannealed <sup>6</sup>	383 °F	ISO 75A-1, -2
Melting Temperature (DSC)	505 °F	ISO 3146
Melting Point	505 °F	DSC
CLTE, Flow (TMA) (73 to 130°F (23 to 55°C))	0.000028 in/in/°F	ASTM E831
Coefficient of Linear Thermal Expansion, Flow (23 to 55°C (73 to 130°F))	0.000066 in/in/°F	ISO 11359-1, -2
CLTE, Transverse (TMA) (73 to 130°F (23 to 55°C))	0.000066 in/in/°F	ASTM E831
Coefficient of Linear Thermal Expansion, Transverse (23 to 55°C (73 to 130°F))	0.000028 in/in/°F	ISO 11359-1, -2
<b>Flammability</b>	<b>Nominal Value Unit</b>	<b>Test Method</b>
Flame Rating - UL		UL 94
(0.0295 in)	HB	
(0.0591 in)	HB	
(0.118 in)	HB	
<b>UL 746</b>	<b>Nominal Value Unit</b>	<b>Test Method</b>
Rel Temp Indx Mech w/Imp		UL 746
(0.0295 in)	185 °F	
(0.0591 in)	221 °F	
(0.118 in)	221 °F	
Rel Temp Indx Mech w/Imp		UL 746
(0.0295 in)	149 °F	
(0.0591 in)	203 °F	
(0.118 in)	221 °F	
Rel Temp Indx Elect		UL 746
(0.0295 in)	248 °F	
(0.0591 in)	248 °F	
(0.118 in)	248 °F	

**Additional Properties**

The value listed as Melting Temperature, ISO 3146, was tested in accordance with ISO 11357-1/-3.  
The value listed as Unnotched Izod Impact, ASTM D256, was tested in accordance with ASTM D4812.  
Flammability Classification, IEC 60695-11-10, 0.75mm: HB  
Flammability Classification, IEC 60695-11-10, 1.5mm: HB  
Flammability Classification, IEC 60695-11-10, 3.0mm: HB

**CAMPUS® Properties <sup>7</sup>**

<b>Mechanical properties 23°C/50%r.h.</b>	<b>Nominal Value Unit</b>	<b>Test Method</b>
Tensile modulus	609000 psi	ISO 527-1, -2
Stress at break	12000 psi	ISO 527-1, -2
Strain at break	9.0 %	ISO 527-1, -2
Charpy impact strength (+23°C)	38.1 ft-lb/in <sup>2</sup>	ISO 179/1eU
Charpy impact strength (-30°C)	38.1 ft-lb/in <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	5.71 ft-lb/in <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength (-30°C)	2.86 ft-lb/in <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>	<b>Nominal Value Unit</b>	<b>Test Method</b>
Melting temperature (10°C/min)	505 °F	ISO 11357-1, -3
Temp. of deflection under load (1.80 MPa)	383 °F	ISO 75-1, -2

Temp. of deflection under load (0.45 MPa)	475 °F	ISO 75-1, -2
Coeff.of linear therm. expansion (parallel)	0.000028 in/in/°F	ISO 11359-1, -2
Coeff.of linear therm. expansion (normal)	0.000066 in/in/°F	ISO 11359-1, -2
<b>Other properties</b>	<b>Nominal Value Unit</b>	<b>Test Method</b>
Density	0.0430 lb/in <sup>3</sup>	ISO 1183

### Processing Information

<b>Injection</b>	<b>Nominal Value Unit</b>
Suggested Max Moisture	0.20 %
Processing (Melt) Temp	545 to 581 °F
Mold Temperature	122 to 212 °F

### Notes

Typical properties: these are not to be construed as specifications.

Type 1, Edgewise, Notch A

Type 1, Edgewise

Type 1, Notch A

Type 1

Flatwise

Typical properties: these are not to be construed as specifications. Additional CAMPUS® data and disclaimer information may be found on CAMPUS® Data Sheet.



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