

**Product Texts**

Ultra low warp

Flammability at thickness h (0.15 V-0 mm)

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
<sup>[C]</sup> Molding shrinkage, normal	0.4	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	13000	MPa	ISO 527
<sup>[C]</sup> Stress at break	110	MPa	ISO 527
<sup>[C]</sup> Strain at break	1.5	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	29	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	7	kJ/m <sup>2</sup>	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melting temperature, 10°C/min	335	°C	ISO 11357-1/-3
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	260	°C	ISO 75-1/-2
<sup>[C]</sup> Vicat softening temperature, B	200	°C	ISO 306
<sup>[C]</sup> Coeff. of linear therm. expansion, parallel	8	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, normal	42	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Burning Behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.1	mm	-

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Relative permittivity, 1MHz	4.24	-	IEC 62631-2-1
<sup>[C]</sup> Dissipation factor, 1MHz	450	E-4	IEC 62631-2-1
<sup>[C]</sup> Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
<sup>[C]</sup> Surface resistivity	>1E15	Ohm	IEC 62631-3-2
<sup>[C]</sup> Electric strength	55	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Water absorption	0.005	%	Sim. to ISO 62
<sup>[C]</sup> Density	1770	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Characteristics**

**Special Characteristics**

Flame retardant

**Features**

Low Warpage

**Regional Availability**

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