

**Product Texts**

35% glass reinforced Vectra grade with very low outgassing, very high heat deflection temperature (335°C) and stiffness. Typical applications are lamp sockets, lens holders for beamers, electrical and electronic parts like connectors, relays, switches, coil bobbins and also under the hood applications. Chemical abbreviation according to ISO 1043-1 : LCP Inherently flame retardant UL-Listing V-0 in natural at 0.28mm thickness per UL 94 flame testing. Relative-Temperature-Index (RTI) according to UL 746B: electrical 130°C, mechanical 130°C. UL = Underwriters Laboratories (USA)

Flammability at thickness h V-0 -

**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	16000	MPa	ISO 527
<sup>[C]</sup> Stress at break	150	MPa	ISO 527
<sup>[C]</sup> Strain at break	1.3	%	ISO 527
<sup>[C]</sup> Charpy notched impact strength, +23°C	14	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	350	°C	ISO 11357-1/-3
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	340	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 8.00 MPa	267	°C	ISO 75-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, parallel	5.8	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, normal	57.5	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Burning Behav. at thickness h	V-0	class	IEC 60695-11-10

[C]: CAMPUS

**Electrical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Relative permittivity, 1MHz	3.5	-	IEC 62631-2-1
<sup>[C]</sup> Dissipation factor, 1MHz	90	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	37	kV/mm	IEC 60243-1

[C]: CAMPUS

**Other properties**

	Value	Unit	Test Standard
<sup>[C]</sup> Water absorption	0.004	%	Sim. to ISO 62
<sup>[C]</sup> Humidity absorption	0.007	%	Sim. to ISO 62
<sup>[C]</sup> Density	1670	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Characteristics**

**Delivery form**

Natural Color

**Applications**

Electrical and Electronical

**Special Characteristics**

Flame retardant

**Regional Availability**

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