

Product Texts

Zenite® 6330 is a 30% mineral reinforced liquid crystal polymer for injection molding. It has excellent impact resistance, excellent heat deflection temperature and is well suited for all kinds of demanding applications.

Flammability @1.6mm nom. thickn. V-0

Flammability at thickness h (0.85 mm) V-0

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UL recognition (h)

Processing/Physical Characteristics**ISO Data**

	Value	Unit	Test Standard
^[C] Molding shrinkage, normal	0.7	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties**ISO Data**

	Value	Unit	Test Standard
^[C] Tensile Modulus	10000	MPa	ISO 527
^[C] Stress at break	130	MPa	ISO 527
^[C] Strain at break	5	%	ISO 527
^[C] Charpy impact strength, +23°C	60	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	40	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	9	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	8	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties**ISO Data**

	Value	Unit	Test Standard
^[C] Melting temperature, 10°C/min	335	°C	ISO 11357-1/-3
^[C] Glass transition temperature, 10°C/min	120	°C	ISO 11357-1/-2
^[C] Temp. of deflection under load, 1.80 MPa	245	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	275	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	8	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	40	E-6/K	ISO 11359-1/-2
^[C] Burning Behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
^[C] Burning Behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Yellow Card available	yes	-	-
^[C] Oxygen index	47	%	ISO 4589-1/-2

[C]: CAMPUS

Electrical properties**ISO Data**

	Value	Unit	Test Standard
^[C] Relative permittivity, 100Hz	3.8	-	IEC 62631-2-1
^[C] Relative permittivity, 1MHz	3.4	-	IEC 62631-2-1
^[C] Dissipation factor, 100Hz	140	E-4	IEC 62631-2-1
^[C] Dissipation factor, 1MHz	310	E-4	IEC 62631-2-1
^[C] Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	>1E15	Ohm	IEC 62631-3-2
^[C] Electric strength	35	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties

	Value	Unit	Test Standard
^[C] Density	1640	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant, High impact or impact modified

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