ZENITE® 6130LX

LCP-GF30 Celanese

Product Texts

Zenite® 6130LX is a 30% glass fiber reinforced liquid crystal polymer for injection molding. and It is well suited for all kinds of demanding applications.

Flammability @1.6mm nom. thickn.	V-0	-	
Flammability at thickness h (0.75 mm)	V-0	UL recognition (h)	

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
[C] Molding shrinkage, parallel	**0.1**	%	ISO 294-4, 2577
[C] Molding shrinkage, normal	**0.6**	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**15000**	MPa	ISO 527
[C] Stress at break	**145**	MPa	ISO 527
[C] Strain at break	**2**	%	ISO 527
[C] Charpy impact strength, +23°C	**40**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**15**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**15**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
[C] Melting temperature, 10°C/min	**335**	°C	ISO 11357-1/-3
[C] Temp. of deflection under load, 1.80 MPa	**280**	°C	ISO 75-1/-2
[C] Coeff. of linear therm. expansion, parallel	**3**	E-6/K	ISO 11359-1/-2
[C] Coeff. of linear therm. expansion, normal	**73**	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] Burning Behav. 5V at thickness h	**5VA**	class	IEC 60695-11-20
Thickness tested	**1.0**	mm	-
[C] Oxygen index	**51**	%	ISO 4589-1/-2

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
[C] Relative permittivity, 1MHz	**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	**34**	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Density	**1660**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing
Injection Molding

Special Characteristics
Flame retardant

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