



Zenite® 6330L

Celanese Corporation - Liquid Crystal Polymer

Sunday, November 3, 2019

General Information

Product Description

Zenite 6330L is a lubricated 30% mineral-reinforced LCP resin having excellent toughness. It is well suited for use in the automotive, electrical/electronic, telecommunications, and aerospace industries.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Mineral, 30% Filler by Weight		
Additive	• Lubricant		
Features	• Good Toughness	• Lubricated	
Uses	• Aerospace Applications • Automotive Applications	• Electrical/Electronic Applications • Telecommunications	
RoHS Compliance	• Contact Manufacturer		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.63	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	0.50	%	
Flow	0.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1.52E+6	psi	ISO 527-2/1A
Tensile Stress (Break)	18100	psi	ISO 527-2/1A/5
Tensile Strain (Break)	4.0	%	ISO 527-2/1A/5
Flexural Modulus			ISO 178
-40°F	1.55E+6	psi	
73°F	1.39E+6	psi	
Flexural Stress (73°F)	18100	psi	ISO 178
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (264 psi, Unannealed)	462	°F	ISO 75-2/A
Melting Temperature ²	635	°F	ISO 11357-3

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	302	°F
Drying Time	3.0	hr
Suggested Max Moisture	0.010	%
Hopper Temperature	68 to 86	°F
Rear Temperature	635 to 653	°F
Middle Temperature	662 to 680	°F
Front Temperature	662 to 680	°F
Nozzle Temperature	662 to 680	°F
Processing (Melt) Temp	662 to 680	°F

Zenite® 6330L

Celanese Corporation - Liquid Crystal Polymer

Injection	Nominal Value	Unit
Mold Temperature	176 to 248	°F
Back Pressure	< 435	psi

Injection Notes

Feeding zone temperature: 40 to 60°C
Zone4 temperature: 350 to 360°C

Notes

¹ Typical properties: these are not to be construed as specifications.

² 10°C/min