

Zenite® 5130L

Celanese Corporation - Liquid Crystal Polymer

Thursday, January 16, 2025

General Information

Product Description

30% glass-reinforced, lubricated

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight		
Additive	• Flame Retardant	• Heat Stabilizer	
Features	• Flame Retardant • Heat Stabilized	• High Flow • High Impact Resistance	
Processing Method	• Injection Molding	• Lead Free Soldering	
Part Marking Code (ISO 11469)	• >LCP-GF30<		
Resin ID (ISO 1043)	• LCP-GF30		

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	0.70	%	
Flow	0.10	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10000	MPa	ISO 527-1
Tensile Stress (Break)	145	MPa	ISO 527-2/5
Tensile Strain (Break)	3.5	%	ISO 527-2/5
Flexural Modulus	11000	MPa	ISO 178
Flexural Stress	170	MPa	ISO 178
Poisson's Ratio ²	0.34		
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	275	°C	
Melting Temperature ³	320	°C	ISO 11357-3
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.8 mm)	V-0		UL 94
Flammability Classification (0.8 mm)	V-0		IEC 60695-11-10, -20

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	150	°C
Drying Time - Desiccant Dryer	4.0 to 6.0	hr
Suggested Max Moisture	< 0.010	%
Mold Temperature	80 to 120	°C
Mold Temperature, Optimum	95	°C

UL LLC ©2025. All rights reserved.

The information presented here was acquired by UL from the producer of the product or material or original information provider. However, UL assumes no responsibility or liability for the accuracy of the information contained on this website and strongly encourages that upon final product or material selection information is validated with the manufacturer. This website provides links to other websites owned by third parties. The content of such third party sites is not within our control, and we cannot and will not take responsibility for the information or content.

Zenite® 5130L

Celanese Corporation - Liquid Crystal Polymer

Injection	Nominal Value	Unit
Back Pressure	3.00	MPa
Drying Recommended	yes	
Screw Tangential Speed	11 to 12	m/min

Notes

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

² Calculated

³ 10°C/min