ZENITE® 6330L

Liquid Crystal Polymer

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.

Product information

Resin Identification	LCP-MD30	ISO 1043
Part Marking Code	>LCP-MD30<	ISO 11469

Rheological properties

Molding shrinkage, parallel	0	%	ISO 294-4, 2577
Molding shrinkage, normal	0.5	%	ISO 294-4, 2577

Typical mechanical properties

Tensile modulus	1.52E6	psi	ISO 527-1/-2
Tensile stress at break, 5mm/min	18100	psi	ISO 527-1/-2
Tensile strain at break, 5mm/min	4	%	ISO 527-1/-2
Flexural modulus	1.39E6	psi	ISO 178
Flexural strength	18100	psi	ISO 178

Thermal properties

Melting temperature, 10°C/min	635	°F	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	462	°F	ISO 75-1/-2

Physical/Other properties

Density	0.0588	lb/in³	ISO 1183

Injection

Drying Recommended	yes	
Drying Temperature	302	°F
Drying Time, Dehumidified Dryer	4 - 6	h
Processing Moisture Content	≤0.01	%
Melt Temperature Optimum	671	°F
Min. melt temperature	662	°F
Max. melt temperature	680	°F
Max. screw tangential speed	0.2 - 0.3	m/s
Mold Temperature Optimum	212	°F
Min. mold temperature	176	°F
Max. mold temperature	248	°F
Back pressure	435	psi

Characteristics

Processing	Injection Molding
Special characteristics	Flame retardant, Heat stabilized or stable to heat, Specialty appearance, High Flow, Lead-free soldering resistant

Revised: 2025-03-20 Source: Celanese Materials Database

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The chemistry inside innovation™

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