ZENITE® DEV 55206 (PRELIMINARY)

Liquid Crystal Polymer

Product information

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

Rheological properties

Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
Molding shrinkage, normal	0.5	%	ISO 294-4, 2577

Typical mechanical properties

Tensile modulus	2.1E6	psi	ISO 527-1/-2
Tensile stress at break, 5mm/min	10900	psi	ISO 527-1/-2
Tensile strain at break, 5mm/min	1	%	ISO 527-1/-2
Flexural modulus	2.2E6	psi	ISO 178
Flexural strength	17400	psi	ISO 178

Thermal properties

Melting temperature, 10°C/min	604	°F	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	522	°F	ISO 75-1/-2

Flammability

Burning Behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.0157	in	IEC 60695-11-10

Electrical properties

Relative permittivity, 2GHz	4.96		IEC 61189-2-721
Dissipation factor, 2GHz	62	E-4	IEC 61189-2-721

Physical/Other properties

Density	0.0661	lb/in³	ISO 1183

Injection

Drying Recommended	yes	
Drying Temperature	302	°F
Drying Time, Dehumidified Dryer	4 - 6	h
Processing Moisture Content	≤0.01	%
Min. melt temperature	626	°F
Max. melt temperature	716	°F
Min. mold temperature	140	°F
Max. mold temperature	248	°F

Characteristics

Processing	Injection Molding
Special characteristics	Heat stabilized or stable to heat, High Flow, Low Warpage

Revised: 2026-10-15 Source: Celanese Materials Database

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The above data are preliminary and are subject to change as additional data are developed on subsequent lots.
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