LCP

Sumikasuper® E5008L

Sumitomo Chemical

Position #102 · Jinsutong Reference Catalog 2026

Resin Overview

LCP · High Flow, SMT. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	Sumitomo Chemical
Category	LCP · High Flow, SMT
Typical Use	SMT connectors, thin-wall camera modules

Key Properties

Density	1.58 g/cm³
Tensile Strength at Break	150 MPa
Tensile Modulus	13000 MPa
Elongation at Break	2.2%
HDT (1.8 MPa)	250 °C
Dk (1 GHz)	3.2
Df (1 GHz)	0.010
UL 94 Rating	V-0 @ 0.75mm

Key Features

- Very high flow for ultra-thin-wall
- Low Df for high-speed signal
- UL 94 V-0 flame retardant
- Suitable for camera module SMT

Processing Conditions

Melt Temperature	290-320 °C
Mold Temperature	70-120 °C
Drying	4 h @ 150 °C in desiccant dryer
Processing Methods	Injection molding

Typical Applications

- Camera module SMT connectors
- Smartphone internal connectors
- Micro miniature connectors
- High-frequency sockets

Regulatory & Compliance

- UL 94 V-0 listed
- RoHS compliant

> ⚠ All data sourced from public manufacturer catalogs.

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