LCP

Sumikasuper® E6008L

Sumitomo Chemical

Position #115 · Jinsutong Reference Catalog 2026

Resin Overview

LCP · High Flow, Ultra-thin. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	Sumitomo Chemical
Category	LCP · High Flow, Ultra-thin
Typical Use	Ultra-thin-wall SMT connectors, 0.1mm wall

Key Properties

Density	1.58 g/cm³
Tensile Strength at Break	130 MPa
Tensile Modulus	11000 MPa
Elongation at Break	2.5%
HDT (1.8 MPa)	240 °C
Dk (1 GHz)	3.1
Df (1 GHz)	0.008
Spiral Flow (320°C)	Very long

Key Features

- Very high flow for ultra-thin-wall designs
- Low Df for high-speed signal
- Lead-free reflow compatible
- Good dimensional stability

Processing Conditions

Melt Temperature	280-310 °C
Mold Temperature	60-110 °C
Drying	4 h @ 150 °C in desiccant dryer
Processing Methods	Injection molding

Typical Applications

- Ultra-thin SMT connectors (0.1-0.15mm)
- Camera module connectors
- Micro miniature connectors
- Wearable device components

Regulatory & Compliance

- UL 94 V-0 listed
- RoHS compliant

> ⚠ All data sourced from public manufacturer catalogs.

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