LCP

Sumikasuper® SR2505

Sumitomo Chemical

Position #107 • Jinsutong Reference Catalog 2026

Resin Overview

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

This Grade

Manufacturer	Sumitomo Chemical
Category	LCP · High Flow, SMT Connector
Typical Use	High flow LCP for SMT connectors

Key Properties

Density	1.60 g/cm³
Tensile Strength at Break	145 MPa
Tensile Modulus	12000 MPa
Elongation at Break	2.3%
HDT (1.8 MPa)	255 °C
Dk (1 GHz)	3.1
Df (1 GHz)	0.009
UL 94 Rating	V-0 @ 0.75mm

Key Features

- Very high flow for thin-wall
- Low Df for signal integrity
- UL 94 V-0 flame retardant
- Suitable for SMT connectors

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

- Ultra-thin-wall SMT connectors
- Smartphone SMT components
- High-frequency sockets
- Premium electronic parts

Regulatory & Compliance

- UL 94 V-0 listed
- RoHS compliant

> ⚠ All data sourced from public manufacturer catalogs.

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