LCP

Sumikasuper® SZ6708L

Sumitomo Chemical

Position #107 • Jinsutong Reference Catalog 2026

Resin Overview

LCP · 40% Glass, High Stiffness. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	Sumitomo Chemical
Category	LCP · 40% Glass, High Stiffness
Typical Use	40% glass fiber for high stiffness

Key Properties

Density	1.65 g/cm³
Tensile Strength at Break	180 MPa
Tensile Modulus	15000 MPa
Elongation at Break	1.6%
HDT (1.8 MPa)	275 °C
Dk (1 GHz)	3.5
Df (1 GHz)	0.014
UL 94 Rating	V-0 @ 0.75mm

Key Features

- 40% glass for very high stiffness
- High heat 200°C continuous
- UL 94 V-0 flame retardant
- Lead-free reflow compatible

Processing Conditions

Melt Temperature	300-330 °C

Mold Temperature	80-130 °C
Drying	4 h @ 150 °C in desiccant dryer
Processing Methods	Injection molding

Typical Applications

- High-density SMT connectors
- Structural SMT components
- High-frequency sockets
- Premium camera modules

Regulatory & Compliance

- UL 94 V-0 listed
- RoHS compliant

> ⚠ All data sourced from public manufacturer catalogs.

Contact
Mr. Mo Hailong · +86 138 1603 7020 · 13816037020@139.com

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