LCP

Vectra® V240XL

Ticona (Celanese)

Position #101 · Jinsutong Reference Catalog 2026

Resin Overview

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

This Grade

Manufacturer	Ticona (Celanese)
Category	LCP · 40% Glass, High Stiffness
Typical Use	High stiffness SMT connectors, structural

Key Properties

Density	1.65 g/cm³
Tensile Strength at Break	185 MPa
Tensile Modulus	16000 MPa
Elongation at Break	1.6%
HDT (1.8 MPa)	275 °C
Dk (1 GHz)	3.4
Df (1 GHz)	0.016
UL 94 Rating	V-0 @ 0.75mm

Key Features

- 40% glass fiber for high stiffness
- Lead-free reflow compatible
- UL 94 V-0 flame retardant
- Good for camera module frames

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

- Camera module frames
- High-stiffness SMT connectors
- BGA socket housings
- High-temp structural parts

Regulatory & Compliance

- UL 94 V-0 listed
- RoHS compliant

> ⚠ All data sourced from public manufacturer catalogs.

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