LCP

Vectra® E820i

Ticona (Celanese)

Position #116 · Jinsutong Reference Catalog 2026

Resin Overview

LCP · SMT Connector, 30% Glass. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	Ticona (Celanese)
Category	LCP · SMT Connector, 30% Glass
Typical Use	SMT connectors, high-density sockets

Key Properties

Density	1.62 g/cm³
Tensile Strength at Break	170 MPa
Tensile Modulus	14000 MPa
Elongation at Break	2.0%
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

- 30% glass fiber for high stiffness
- Low Df for high-frequency use
- UL 94 V-0 flame retardant
- Suitable for SMT connectors

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

- SMT connectors for telecom
- High-density BGA sockets
- High-frequency components
- Server backplane components

Regulatory & Compliance

- UL 94 V-0 listed
- RoHS compliant

> ⚠ All data sourced from public manufacturer catalogs.

Contact
Mr. Mo Hailong (莫海龙) — Business Manager · +86 138 1603 7020 · 13816037020@139.com
Shanghai Jinsutong Plastics Co., Ltd. · 1st Building, 5601 Yanqian Road, Fengxian District, Shanghai

© 2026 Shanghai Jinsutong Plastics Co., Ltd. · Jinsutong Reference Catalog 2026 · jinsutong.com/grades