

VECTRA® V400P

Co-extrudable LCP for Barrier Applications

Co-extrudable LCP for Barrier Applications. Vectra V400P Liquid Crystal Polymer is characterized by its excellent barrier properties independent of relative humidity, chemical resistance and contact clarity in thin film applications. This material is not suitable for medical or dental implants.

Chemical abbreviation according to ISO 1043-1 : LCP Inherently flame retardant

Typical mechanical properties

Tensile Modulus	14400 MPa	ISO 527-1/-2
Stress at break, 5mm/min	151 MPa	ISO 527-1/-2
Strain at break, 5mm/min	1.62 %	ISO 527-1/-2

Thermal properties

Temp. of deflection under load, 1.8 MPa	111 °C	ISO 75-1/-2
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Other properties

Humidity absorption, 2mm	0.04 %	Sim. to ISO 62
Density	1400 kg/m³	ISO 1183

Injection

Drying Temperature	90 °C
Drying Time, Dehumidified Dryer	8 - 24 h
Processing Moisture Content	0.01 %

