

ZENITE® 7244

40% glass/mineral reinforced

Zenite' 7244 is a 40% glass mineral reinforced liquid crystal polymer resin with a high heat deflection temperature of 295C, high flow and good flatness.

Rheological properties

Moulding shrinkage range, parallel	0.1 %	ISO 294-4, 2577
Moulding shrinkage range, normal	0.5 %	ISO 294-4, 2577

Typical mechanical properties

Tensile Modulus	14000 MPa	ISO 527-1/-2
Stress at break, 5mm/min	115 MPa	ISO 527-1/-2
Strain at break, 5mm/min	1.4 %	ISO 527-1/-2
Flexural Modulus	11300 MPa	ISO 178
Flexural Strength	180 MPa	ISO 178
Charpy notched impact strength, 23°C	9 kJ/m ²	ISO 179/1eA

Thermal properties

Temp. of deflection under load, 1.8 MPa	295 °C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	6 E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	41 E-6/K	ISO 11359-1/-2

Flammability

Burning Behav. at thickness h	V-0 class	UL 94
Thickness tested	0.35 mm	UL 94
UL recognition	yes	UL 94

Electrical properties

Comparative tracking index	PLC 3 PLC	UL 746A
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Other properties

Density	1730 kg/m ³	ISO 1183
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Injection

Drying Temperature	≥150 °C	
Drying Time, Dehumidified Dryer	3 h	
Processing Moisture Content	0.01 %	
Melt Temperature Optimum	365 °C	Internal
Max. mould temperature	80 - 120 °C	
Back pressure	3 MPa	

