

ZENITE® 17311 EFT

This grade offers excellent flowability, low warpage, excellent surface appearance, and excellent dimensional stability. ZENITE® 17311 EFT is a 35% glass and mineral reinforced grade. This grade offers excellent flowability, low warpage, excellent surface appearance, and excellent dimensional stability. Application for this grade is fine pitch connector with thin wall.

Rheological properties

Moulding shrinkage range, parallel	%	ISO 294-4, 2577
Moulding shrinkage range, normal	0.6 %	ISO 294-4, 2577

Typical mechanical properties

Tensile Modulus	11000 MPa	ISO 527-1/-2
Stress at break, 5mm/min	110 MPa	ISO 527-1/-2
Strain at break, 5mm/min	2 %	ISO 527-1/-2
Flexural Modulus	11000 MPa	ISO 178
Flexural Strength	160 MPa	ISO 178
Charpy notched impact strength, 23°C	5 kJ/m ²	ISO 179/1eA

Thermal properties

Melting temperature, 10°C/min	346 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	298 °C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	7 E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	67 E-6/K	ISO 11359-1/-2

Other properties

Density	1660 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	

