

ZENITE® SEA10N

ZENITE SEA 10 N is a 30% mineral filled grade. It offers excellent antistatic property, surface appearance, low warpage, and excellent dimensional stability. Application for this grade is compact camera module, and other thin, small electronic parts.

Rheological properties

Moulding shrinkage range, parallel	0.1 %	ISO 294-4, 2577
Moulding shrinkage range, normal	0.6 %	ISO 294-4, 2577

Typical mechanical properties

Tensile Modulus	13000 MPa	ISO 527-1/-2
Stress at break, 5mm/min	130 MPa	ISO 527-1/-2
Strain at break, 5mm/min	2.3 %	ISO 527-1/-2
Flexural Modulus	13000 MPa	ISO 178
Flexural Strength	150 MPa	ISO 178
Charpy notched impact strength, 23 °C	10 kJ/m ²	ISO 179/1eA

Thermal properties

Melting temperature, 10 °C/min	330 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	240 °C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	10 E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	60 E-6/K	ISO 11359-1/-2

Electrical properties

Volume resistivity	2.3E12 Ohm.m	IEC 62631-3-1
Surface resistivity	9.8E11 Ohm	IEC 62631-3-2
Electric strength	38 kV/mm	IEC 60243-1

Other properties

Humidity absorption, 2mm	0.02 %	Sim. to ISO 62
Density	1640 kg/m ³	ISO 1183

Injection

Drying Temperature	150 °C	
Drying Time, Dehumidified Dryer	6 h	
Processing Moisture Content	0.01 %	
Melt Temperature Optimum	340 °C	Internal
Max. mould temperature	80 - 140 °C	
Injection speed	medium-fast	



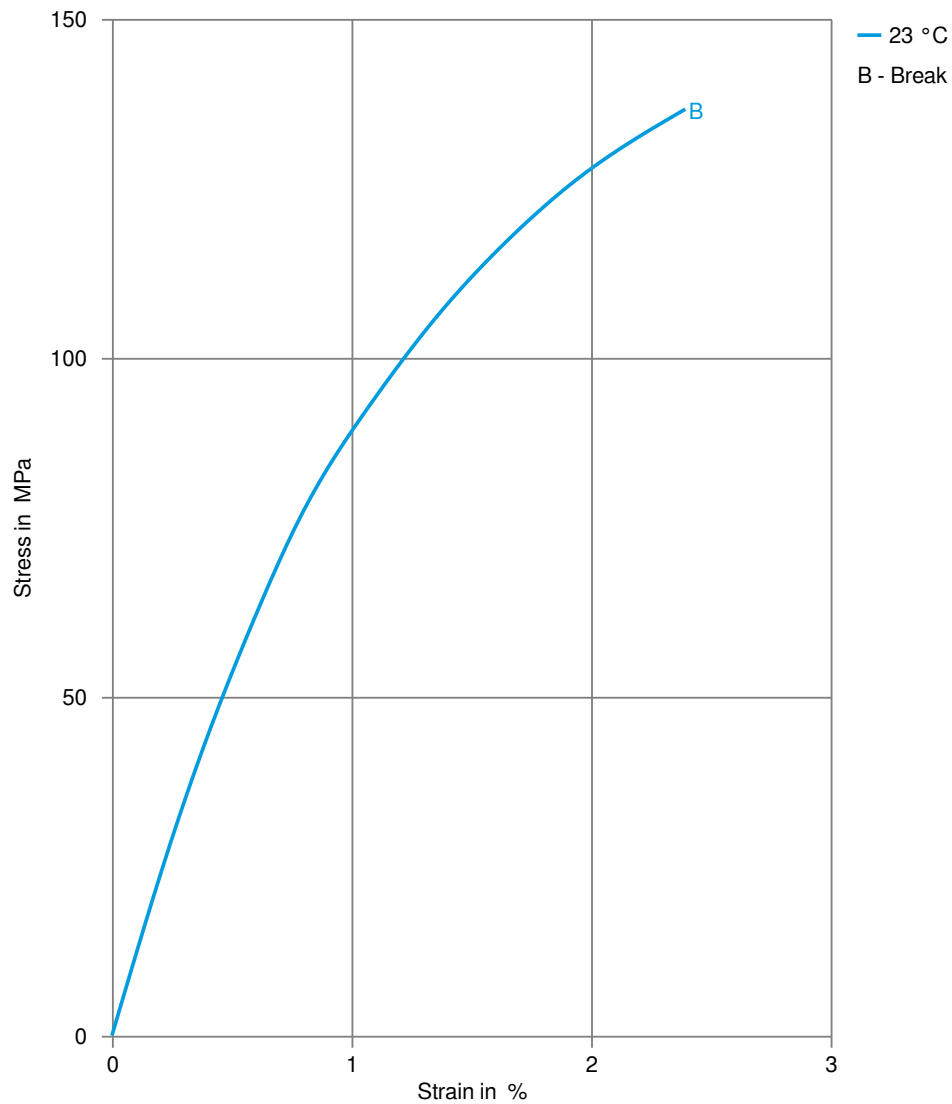
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Characteristics

Additives

Mineral Filler

Stress-strain



ZENITE® SEA10N

Secant modulus-strain

