

ZENITE® SEA20N

40% mineral filled

ZENITE® SEA20N is a 40% mineral filled grade. It offers excellent 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	0.2 %	ISO 294-4, 2577
Moulding shrinkage range, normal	0.8 %	ISO 294-4, 2577

Typical mechanical properties

Tensile Modulus	8500 MPa	ISO 527-1/-2
Stress at break, 5mm/min	100 MPa	ISO 527-1/-2
Strain at break, 5mm/min	4.2 %	ISO 527-1/-2
Flexural Modulus	8700 MPa	ISO 178
Flexural Strength	125 MPa	ISO 178
Charpy notched impact strength, 23°C	5 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	220 °C	ISO 75-1/-2

Other properties

Density	1770 kg/m ³	ISO 1183
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Injection

Drying Temperature	≥150 °C
Drying Time, Dehumidified Dryer	6 h
Max. mould temperature	80 - 140 °C
Injection speed	medium-fast

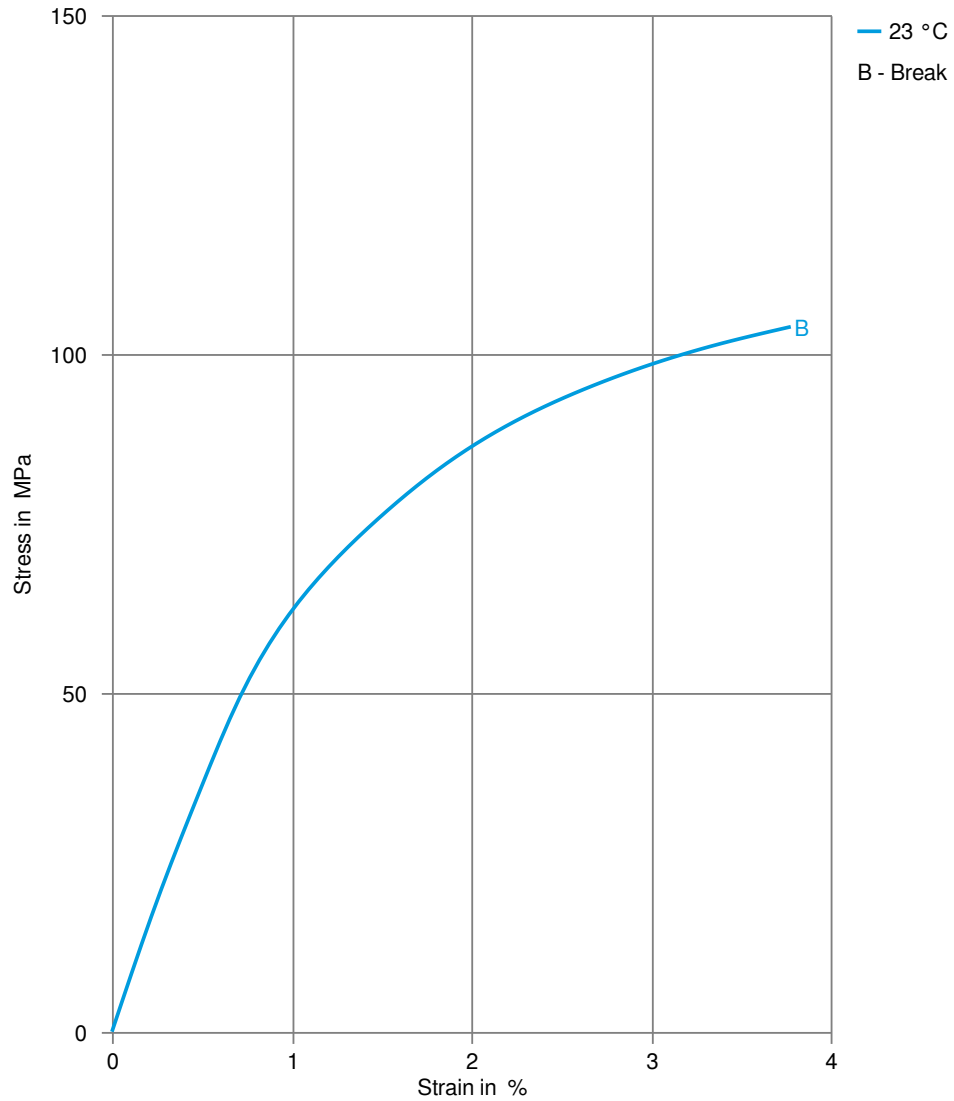
Characteristics

Additives	Mineral Filler
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Stress-strain

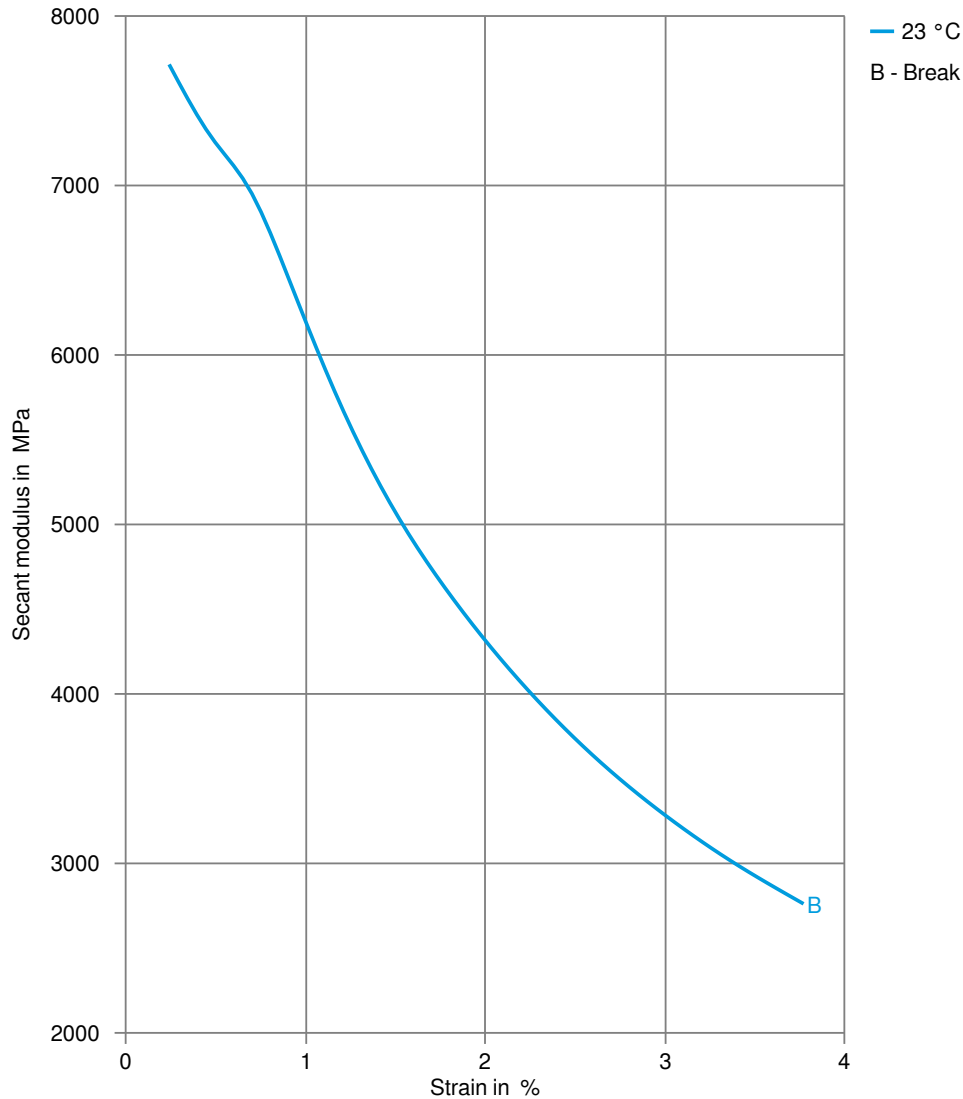


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Secant modulus-strain



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