

ZENITE® 16236 (PRELIMINARY)

High Flow LCP

Zenite 16236 is a high flow, low warpage grade for thin wall connector applications

Typical mechanical properties

Tensile Modulus	11484 MPa	ISO 527-1/-2
Stress at break, 5mm/min	118 MPa	ISO 527-1/-2
Strain at break, 5mm/min	2.22 %	ISO 527-1/-2
Flexural Modulus	12500 MPa	ISO 178
Flexural Strength	162 MPa	ISO 178
Charpy notched impact strength, 23°C	16.6 kJ/m ²	ISO 179/1eA

Thermal properties

Melting temperature, 10°C/min	331 °C	ISO 11357-1/-3
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Flammability

Burning Behav. at thickness h	V-0 class	UL 94
Thickness tested	0.20 mm	UL 94

Other properties

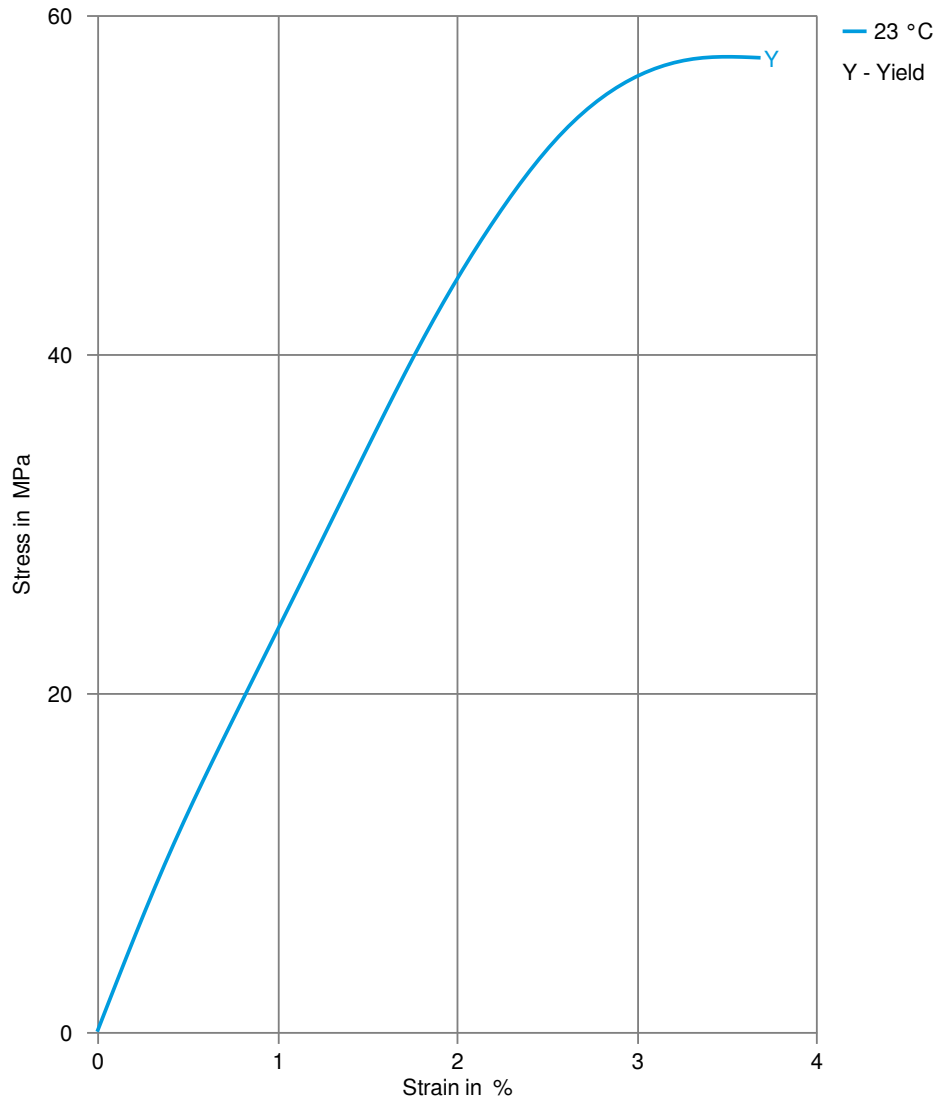
Density	1620 kg/m ³	ISO 1183
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Injection

Drying Temperature	150 °C
Drying Time, Dehumidified Dryer	6 h
Processing Moisture Content	0.01 %
Max. mould temperature	80 - 120 °C

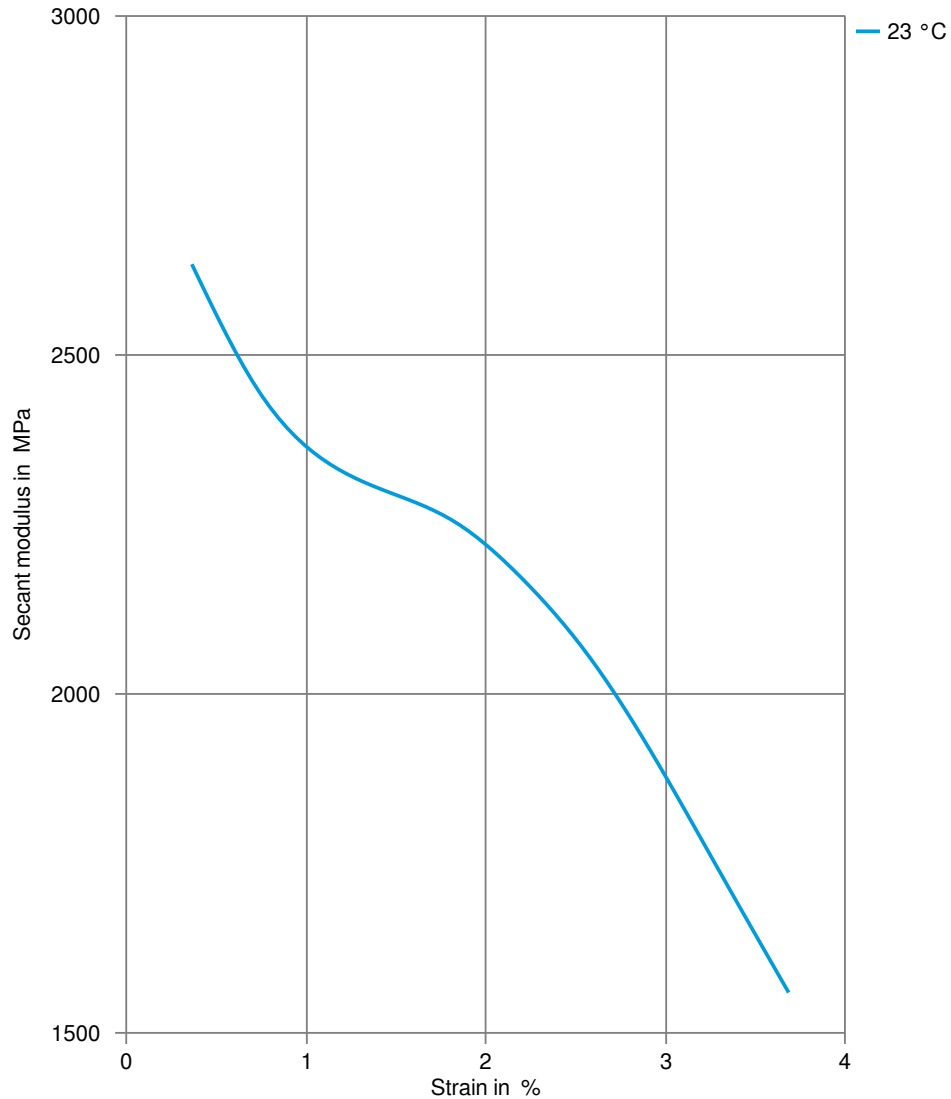
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Stress-strain



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Secant modulus-strain



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Processing Texts

Pre-drying

To avoid hydrolytic degradation during processing, CELANEX resins have to be dried to a moisture level equal to or less than 0.02%. Drying should be done in a dehumidifying hopper dryer capable of dewpoints $< -40^{\circ}\text{F}$ (-40°C) at 250°F (121°C) for 4 hours.

Longer pre-drying times/storage

For subsequent storage of the material in the dryer until processed (≤ 60 h) it is necessary to lower the temperature to 100°C .