Celanese
The chemistry inside innovation™

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/m²	ISO 179/1eA

Thermal properties

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

Flammability

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

Other properties

Density	1620	kg/m³	ISO 1183

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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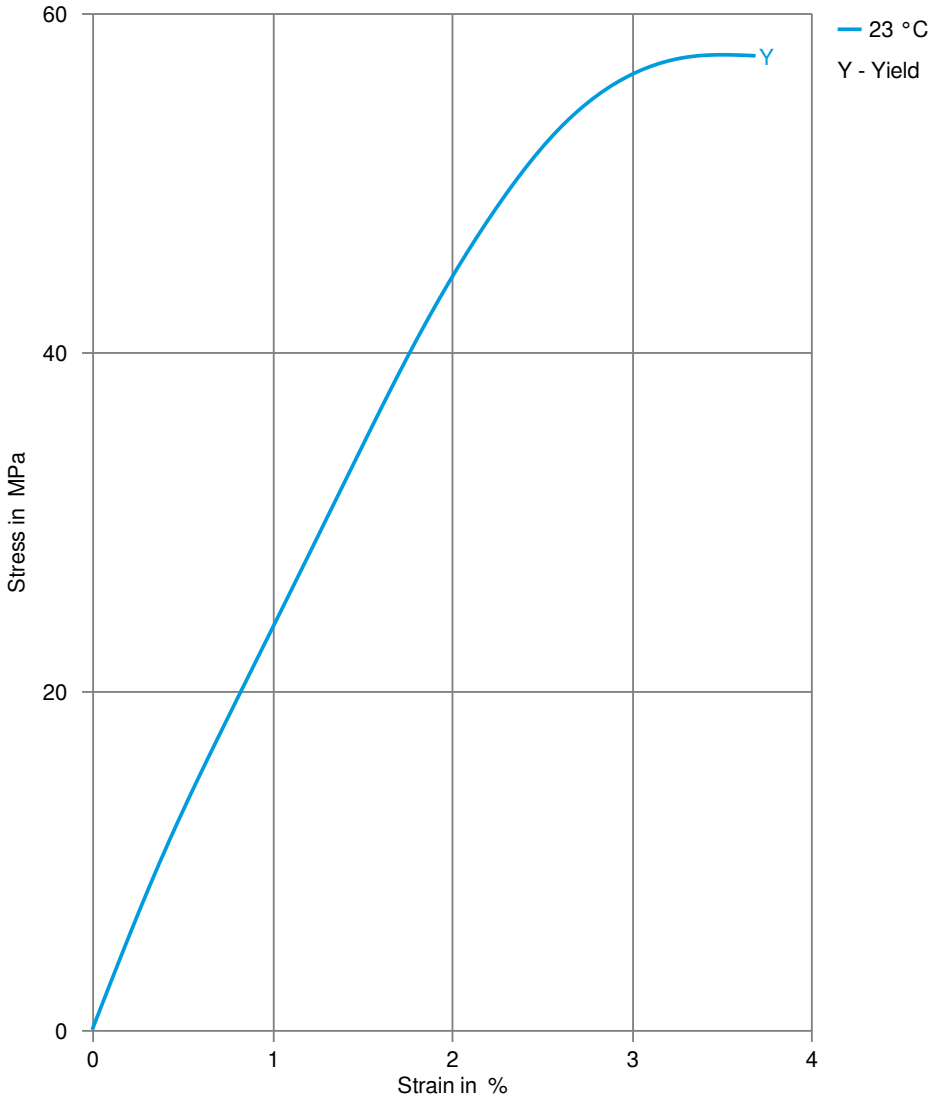
Stress-strain



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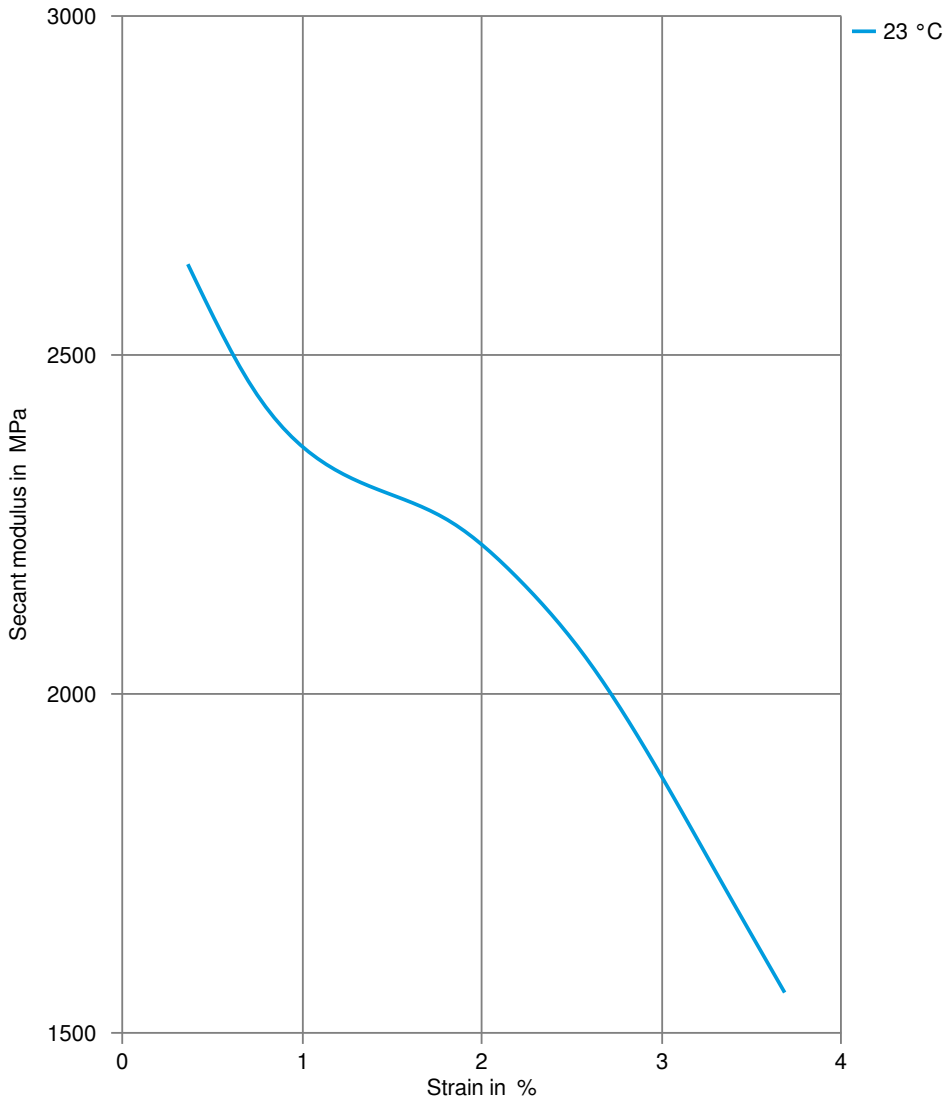
Secant modulus-strain



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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°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.