



Zenite® 17311 EFT

Celanese Corporation - Liquid Crystal Polymer

Sunday, November 3, 2019

General Information

Product Description

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.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass\Mineral, 35% Filler by Weight		
Features	• Good Dimensional Stability • Good Flow	• Low Warpage • Pleasing Surface Appearance	
Uses	• Connectors	• Thin-walled Parts	
RoHS Compliance	• Contact Manufacturer		

ASTM & ISO Properties ¹

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1.60E+6	psi	ISO 527-2/1A
Tensile Stress (Break)	16000	psi	ISO 527-2/1A/5
Tensile Strain (Break)	2.0	%	ISO 527-2/1A/5
Flexural Modulus (73°F)	1.60E+6	psi	ISO 178
Flexural Stress (73°F)	23200	psi	ISO 178
Flexural Strain at Break	2.4	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	2.4	ft-lb/in ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (264 psi, Unannealed)	568	°F	ISO 75-2/A
Melting Temperature ²	655	°F	ISO 11357-3

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	302	°F
Drying Time	3.0	hr
Suggested Max Moisture	0.010	%
Hopper Temperature	68 to 86	°F
Rear Temperature	626 to 662	°F
Middle Temperature	644 to 680	°F
Front Temperature	653 to 689	°F
Nozzle Temperature	671 to 698	°F
Processing (Melt) Temp	680 to 698	°F
Mold Temperature	176 to 248	°F
Back Pressure	< 435	psi

Injection Notes

Feeding zone temperature: 40 to 60°C

Zone4 temperature: 355 to 370°C

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Notes

¹ Typical properties: these are not to be construed as specifications.

² 10°C/min
