

Celanex® 733LD

Polybutylene Terephthalate

Celanese Corporation

Message:

Celanex 733LD is a 30% glass-filled PBT alloy that exhibits low warp characteristics. Celanex 733LD is well suited for electrical connectors.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Low Warpage		
Uses	Connectors		
	Electrical/Electronic Applications		
RoHS Compliance	Contact Manufacturer		
Physical	Nominal Value	Unit	Test Method
Density	1.43	g/cm³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	0.50 to 0.70	%	
Flow	0.10 to 0.30	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10700	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	140	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.0	%	ISO 527-2/1A/5
Flexural Modulus (23°C)	10400	MPa	ISO 178
Flexural Stress (23°C)	200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.2	kJ/m²	ISO 179/1eA
Notched Izod Impact Strength (23°C)	7.0	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	217	°C	ISO 75-2/B
1.8 MPa, Unannealed	184	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	IEC 60093
Electric Strength	18	kV/mm	IEC 60243-1
Arc Resistance	93.0	sec	ASTM D495
Comparative Tracking Index	200	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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