

## CELANEX<sup>®</sup> 733LD

30% glass-fiber reinforced PBT+SAN blend, low warpage grade Celanex 733LD is a 30% glass-filled PBT alloy that exhibits low warp characteristics. Celanex 733LD is well suited for electrical connectors.

## **Product information**

Part Marking Code	> (PBT+SAN)-GF30 <		ISO 11469
Rheological properties			
Melt mass-flow rate Melt mass-flow rate, Temperature Melt mass-flow rate, Load	8 250 2.16		ISO 1133
Moulding shrinkage range, parallel Moulding shrinkage range, normal	0.1 - 0.3 0.5 - 0.7	%	ISO 294-4, 2577 ISO 294-4, 2577
Typical mechanical properties			
Tensile Modulus Stress at break, 5mm/min Strain at break, 5mm/min Flexural Modulus Flexural Strength Charpy notched impact strength, 23°C Izod notched impact strength, 23°C	2 10400 200 7.2	MPa %	ISO 527-1/-2 ISO 527-1/-2 ISO 527-1/-2 ISO 178 ISO 178 ISO 179/1eA ISO 180/1A
Thermal properties			
Temp. of deflection under load, 1.8 MPa Temp. of deflection under load, 0.45 MPa Coeff. of linear therm. expansion, parallel Coeff. of linear therm. expansion, normal			ISO 75-1/-2 ISO 75-1/-2 ISO 11359-1/-2 ISO 11359-1/-2
Electrical properties			
Volume resistivity Electric strength Comparative tracking index Arc Resistance			IEC 62631-3-1 IEC 60243-1 UL 746A Internal
Other properties			
Density	1430	kg/m³	ISO 1183
Characteristics			

Additives

Release agent

(+) **18816996168** Ponciplastics.com



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Additional information	
Injection molding	Rear Temperature 450-480 (230-250) deg F (deg C) Center Temperature 460-490(235-255) deg F (deg C) Front Temperature 470-500 (240-260) deg F (deg C) Nozzle Temperature 480-510 (250-265) deg F (deg C) Melt Temperature 460-510 (235-265) deg F (deg C) Mold Temperature 150-200(65-93) deg F (deg C) Back Pressure 0-50 psi Screw Speed Medium Injection Speed Fast
	Injection speed, injection pressure and holding pressure have to be optimized to the individual article geometry. To avoid material degradation during processing low back pressure and minimum screw speed have to be used. Overheating of the material has to be avoided, in particular for flame retardant grades. Up to 25% clean and dry regrind may be used.
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 ( $\leq$ 60 h) it is necessary to lower the temperature to 100° C.
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Injection molding Preprocessing	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 <- $30^{\circ}F$ (- $34^{\circ}C$ ) at 250°F

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(121 °C) for minimum 4 hours.