

CELANEX® 733LD | PBT | Glass Reinforced

Description

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

Physical properties	Value	Unit	Test Standard
Density	1430	kg/m ³	ISO 1183
Mold shrinkage - parallel	.1-.3	%	ISO 294-4
Mold shrinkage - normal	.5-.7	%	ISO 294-4

Mechanical properties	Value	Unit	Test Standard
Tensile modulus (1mm/min)	10700	MPa	ISO 527-2/1A
Tensile stress at break (5mm/min)	140	MPa	ISO 527-2/1A
Tensile strain at break (5mm/min)	2	%	ISO 527-2/1A
Flexural modulus (23°C)	10400	MPa	ISO 178
Flexural strength (23°C)	200	MPa	ISO 178
Charpy notched impact strength @ 23°C	7.2	kJ/m ²	ISO 179/1eA
Notched impact strength (Izod) @ 23°C	7.0	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
DTUL @ 1.8 MPa	184	°C	ISO 75-1/-2
DTUL @ 0.45 MPa	217	°C	ISO 75-1/-2

Electrical properties	Value	Unit	Test Standard
Volume resistivity	1E14	Ohm*m	IEC 60093
Electric strength	18	kV/mm	IEC 60243-1
Comparative tracking index CTI	200	-	IEC 60112

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General Disclaimer

NOTICE TO USERS: Values shown are based on testing of laboratory test specimens and represent data that fall within the standard range of properties for natural material. These values alone do not represent a sufficient basis for any part design and are not intended for use in establishing maximum, minimum, or ranges of values for specification purposes. Colorants or other additives may cause significant variations in data values.

Properties of molded parts can be influenced by a wide variety of factors including, but not limited to, material selection, additives, part design, processing conditions and environmental exposure. Any determination of the suitability of a particular material and part design for any use contemplated by the users and the manner of such use is the sole responsibility of the users, who must assure themselves that the material as subsequently processed meets the needs of their particular product or use.

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We strongly recommend that users seek and adhere to the manufacturer's current instructions for handling each material they use, and entrust the handling of such material to adequately trained personnel only. Please call the telephone numbers listed (+49 (0) 69 30516299 for Europe and +1 859-372-3244 for the Americas) for additional technical information. Call Customer Services for the appropriate Materials Safety Data Sheets (MSDS) before attempting to process our products.

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