

CELEX™ 330AD

Polycarbonate Resin

Trinseo

Message:

CELEX 330AD is a 30% glass fiber reinforced high flow polycarbonate resin. It is formulated with proprietary additive to improve the surface aesthetics. CELEX 330AD is designed with high flexural modulus, excellent toughness and superior processability for use in structural parts of printers, scanners, copiers as well as other business machines.

General Information			
UL YellowCard	E132010-565069		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Proprietary		
Features	Good Processability Good Toughness High Flow Pleasing Surface Appearance		
Uses	Business Equipment Structural Parts		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (256°C/3.8 kg)	12	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.20 to 0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 3.20 mm, Injection Molded)	113	MPa	ASTM D638
Tensile Elongation (Break, 3.20 mm, Injection Molded)	3.5	%	ASTM D638
Flexural Modulus (3.20 mm, Injection Molded)	7580	MPa	ASTM D790
Flexural Strength (3.20 mm, Injection Molded)	172	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	160	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm, Injection Molded)	130	°C	ASTM D648
Injection	Nominal Value	Unit	Test Method
Drying Temperature	120	°C	

Drying Time	3.0 to 4.0	hr
Rear Temperature	250 to 255	°C
Middle Temperature	255 to 260	°C
Front Temperature	260 to 265	°C
Nozzle Temperature	265 to 270	°C
Mold Temperature	60.0 to 100	°C

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Recommended distributors for this material

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