

CELEX™ 350

Polycarbonate Resin

Overview

CELEX 350 is a 50% glass fiber reinforced polycarbonate resin. It is designed with high rigidity and good dimensional stability for use in structural parts of printer, scanner and copier.

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.58 g/cm ³	1.58 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	10 g/10 min	10 g/10 min	ASTM D1238
Molding Shrinkage - Flow	2.0E-3 in/in	0.20 %	ASTM D955
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	17500 psi	121 MPa	ASTM D638
Flexural Modulus	1.47E+6 psi	10100 MPa	ASTM D790
Flexural Strength (Yield)	24600 psi	170 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	2.2 ft-lb/in	120 J/m	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed	284 °F	140 °C	ASTM D648
Injection	Nominal Value (English)	Nominal Value (SI)	
Drying Temperature	284 °F	140 °C	
Mold Temperature	176 to 212 °F	80 to 100 °C	
Extrusion	Nominal Value (English)	Nominal Value (SI)	
Melt Temperature	482 to 554 °F	250 to 290 °C	

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.



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