

DURANEX® 330LW

Polyplastics - Polycarbonate + PBT

General Information

Product Description

For Laser Welding

GF30% Reinforced, High transmissibility, Low Warpage

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Features	• High Light Transmission • Laser Weldable • Low Warpage
Appearance	• Black • Natural Color
Forms	• Pellets
Part Marking Code (ISO 11469)	• >PBT+PC-GF30<

 Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.48	g/cm ³	ISO 1183
Water Absorption (24 hr, 73°F, 0.0394 in)	0.10	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	21600	psi	ISO 527-2
Tensile Strain (Break)	2.6	%	ISO 527-2
Flexural Modulus	1.28E+6	psi	ISO 178
Flexural Stress	30600	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	5.1	ft·lb/in ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	381	°F	ISO 75-2/A
CLTE - Flow (73 to 131°F)	1.1E-5	in/in/°F	Internal Method
CLTE - Transverse (73 to 131°F)	3.3E-5	in/in/°F	Internal Method
Additional Information	Nominal Value	Unit	Test Method
Color Number	EF2001/LB3002		

