

**DURANEX® 730LW**

Polyplastics - Polycarbonate + PBT

## General Information

**Product Description**

For Laser Welding

GF30% Reinforced, Heat Shock Resistant

**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	• Good Heat Resistance • Laser Weldable
Forms	• Pellets
Part Marking Code (ISO 11469)	• >PBT+PC-GF30<

 Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.49	g/cm <sup>3</sup>	ISO 1183
Water Absorption (24 hr, 73°F, 0.0394 in)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	19600	psi	ISO 527-2
Tensile Strain (Break)	2.9	%	ISO 527-2
Flexural Modulus	1.16E+6	psi	ISO 178
Flexural Stress	28700	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	5.3	ft·lb/in <sup>2</sup>	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	383	°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)	3.9E-5	in/in/°F	Internal Method
Additional Information	Nominal Value	Unit	Test Method
Color Number	PLTZ21065/PLTZ71549/PLTZ94458		

