

## Opticarb SL100

The Materials Group - Polycarbonate

### General Information

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Material Status	• Commercial: Active
Availability	• North America
Additive	• Mold Release      • UV Stabilizer
Uses	• General Purpose
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

### Properties <sup>1</sup>

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.20		ASTM D792
<b>Mechanical</b>			
Tensile Strength (Yield)	9430	psi	ASTM D638
Tensile Elongation (Break)	6.0	%	ASTM D638
Flexural Modulus - Tangent	355000	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact	15	ft·lb/in	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load (264 psi, Unannealed)	257	°F	ASTM D648

### Processing Information

	Nominal Value	Unit
<b>Injection</b>		
Drying Temperature	212 to 248	°F
Drying Time	3.0 to 4.0	hr
Processing (Melt) Temp	500 to 572	°F
Mold Temperature	176 to 248	°F

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

