Opticarb 1614R

The Materials Group - *Polycarbonate*

General Information

General		
Material Status	• Commercial: Active	
Availability	• North America	
Uses	• General Purpose	
Appearance	• Black	• Clear - Blue Tint
Forms	• Pellets	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.20		ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	16	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.050 to 0.070	in/in	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	9000	psi	ASTM D638
Tensile Elongation (Break)	140	%	ASTM D638
Flexural Modulus	335000	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (73°F)	> 12	ft·lb/in	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (264 psi, Unannealed)	265	°F	ASTM D648

Notes

[1] Typical properties: these are not to be construed as specifications.

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