

RIGITRON 10001

Polycarbonate
Ovation Polymers Inc.

Message:
PC - Impact Modified, high tensile strength, stiffness and HDT.

General Information			
Features	High Stiffness		
	High Tensile Strength		
	Impact Modified		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	17	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow : 3.17 mm	0.20 to 0.40	%	
Across Flow : 3.17 mm	0.10 to 0.40	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	1850	MPa	ASTM D638
Tensile Strength ² (Yield)	64.0	MPa	ASTM D638
Tensile Elongation ³ (Break)	20	%	ASTM D638
Flexural Modulus ⁴	2250	MPa	ASTM D790
Flexural Strength ⁵ (Yield)	90.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	690	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed, 3.20 mm)	125	°C	ASTM D648
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	50 mm/min		
4.	1.3 mm/min		
5.	1.3 mm/min		

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