

RIGITRON 20415 GF

Polybutylene Terephthalate

Ovation Polymers Inc.

Message:

PBT - Glass reinforced (15 %), high tensile strength, stiffness and HDT.

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Features	High Stiffness		
	High Tensile Strength		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.35 to 0.45	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	4600	MPa	ASTM D638
Tensile Strength ² (Break)	90.0	MPa	ASTM D638
Tensile Elongation ³ (Break)	4.0	%	ASTM D638
Flexural Modulus ⁴	4000	MPa	ASTM D790
Flexural Strength ⁵ (Yield)	125	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	43	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Annealed, 3.20 mm	182	°C	
1.8 MPa, Annealed, 3.20 mm	170	°C	
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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