

RIGITRON 20443 GF

Polybutylene Terephthalate

Ovation Polymers Inc.

Message:

PBT - Glass reinforced (43 %), high tensile strength, stiffness and HDT.

General Information			
Filler / Reinforcement	Glass Fiber,43% Filler by Weight		
Features	High Stiffness		
	High Tensile Strength		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.65	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	8000	MPa	ASTM D638
Tensile Strength ² (Break)	165	MPa	ASTM D638
Tensile Elongation ³ (Break)	3.2	%	ASTM D638
Flexural Modulus ⁴	10500	MPa	ASTM D790
Flexural Strength ⁵ (Yield)	210	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	77	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Annealed, 3.20 mm	212	°C	
1.8 MPa, Annealed, 3.20 mm	205	°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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Recommended distributors for this material

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