

RIGITRON 30545 GF

Polyethylene Terephthalate

Ovation Polymers Inc.

Message:

Polyester - 45% Glass Fiber Reinforced PET.

General Information			
Filler / Reinforcement	Glass Fiber,45% Filler by Weight		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.68	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 3.17 mm	0.0 to 0.20	%	
Across Flow : 3.17 mm	0.0 to 0.20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	10800	MPa	ASTM D638
Tensile Strength ² (Break)	168	MPa	ASTM D638
Tensile Elongation ³ (Break)	2.5	%	ASTM D638
Flexural Modulus ⁴	13500	MPa	ASTM D790
Flexural Strength ⁵ (Yield)	240	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	220	°C	ASTM D648
Peak Melting Temperature ⁶	250 to 258	°C	ASTM D3418
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	50 mm/min		
4.	1.3 mm/min		
5.	1.3 mm/min		
6.	15°C/min		

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