

OPNYL OP66GF13

Polyamide 66
Ovation Polymers Inc.

Message:
Nylon 66 - Glass reinforced (13 %), high tensile strength, stiffness and HDT.

General Information			
Filler / Reinforcement	Glass Fiber,13% Filler by Weight		
Features	High Stiffness		
	High Tensile Strength		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 3.17 mm	0.10 to 0.20	%	
Across Flow : 3.17 mm	1.0 to 1.3	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	3900	MPa	ASTM D638
Tensile Strength ² (Yield)	100	MPa	ASTM D638
Tensile Elongation ³ (Break)	3.5	%	ASTM D638
Flexural Modulus ⁴ (50.0 mm Span)	5000	MPa	ASTM D790
Flexural Strength ⁵ (Yield, 50.0 mm Span)	130	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	35	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.20 mm	240	°C	
1.8 MPa, Unannealed, 3.20 mm	235	°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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