

OPNYL OP66GF33

Polyamide 66
Ovation Polymers Inc.

Message:
Nylon 66 - Glass reinforced (33 %), high tensile strength, stiffness and HDT.

General Information				
Filler / Reinforcement		Glass Fiber,33% Filler by Weight		
Features		High Stiffness		
		High Tensile Strength		
Forms		Pellets		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.38	1.38	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.30	0.20 to 0.30	%	ASTM D955
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus ¹	8500	7000	MPa	ASTM D638
Tensile Strength ² (Break)	170	125	MPa	ASTM D638
Tensile Elongation ³ (Break)	2.5	4.2	%	ASTM D638
Flexural Modulus ⁴	9000	7800	MPa	ASTM D790
Flexural Strength ⁵ (Yield)	210	--	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (23°C)	110	120	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, Annealed, 3.20 mm	252	--	°C	
1.8 MPa, Annealed, 3.20 mm	246	--	°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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