

OPNYL OP6GF15

Polyamide 6
Ovation Polymers Inc.

Message:
Nylon 6 - 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	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.25	1.25	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10 to 0.20	0.10 to 0.20	%	ASTM D955
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus ¹	4800	3100	MPa	ASTM D638
Tensile Strength ² (Break)	145	85.0	MPa	ASTM D638
Tensile Elongation ³ (Break)	3.0	4.0	%	ASTM D638
Flexural Modulus ⁴	5000	3400	MPa	ASTM D790
Flexural Strength ⁵ (Yield)	150	115	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (23°C)	75	85	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, Unannealed, 3.20 mm	208	--	°C	
1.8 MPa, Unannealed, 3.20 mm	200	--	°C	
NOTE				
1.	50 mm/min			
2.	50 mm/min			
3.	50 mm/min			
4.	1.3 mm/min			
5.	1.3 mm/min			

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

