

OPTRENE 30GF

Polypropylene
Ovation Polymers Inc.

Message:
Properties of chemically coupled glass reinforced (30%) polypropylene with high strength and HDT.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	High Strength		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow : 3.17 mm	0.24 to 0.30	%	
Across Flow : 3.17 mm	0.80 to 1.2	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2450	MPa	ASTM D638
Tensile Strength ² (Yield)	86.0	MPa	ASTM D638
Tensile Elongation ³ (Break)	4.5	%	ASTM D638
Flexural Modulus ⁴ (50.0 mm Span)	3850	MPa	ASTM D790
Flexural Strength ⁵ (Yield, 50.0 mm Span)	112	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)	147	°C	ASTM D648
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.

Recommended distributors for this material

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

