

Pro PP-HO-20GF

Polypropylene Homopolymer
Pro Polymers

Message:
PP-HO-20GF is a 20% Glass Reinforced, Polypropylene Homopolymer.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Homopolymer		
Uses	Battery Cases		
	Furniture		
	Housings		
	Pump Parts		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow : 3.18 mm	0.20 to 0.30	%	
Across Flow : 3.18 mm	0.20 to 0.30	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	72		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	65.0	MPa	ASTM D638
Flexural Modulus	3580	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	65	J/m	ASTM D256
Gardner Impact	0.700	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	157	°C	
1.8 MPa, Unannealed	139	°C	

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