

OmniPro™ HPP GRC10

Polypropylene Homopolymer

OMNI Plastics, LLC

Message:

10% Glass Reinforced, Chemically Coupled, Homopolymer Polypropylene

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	Chemically Coupled		
	Homopolymer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.988	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	41.4	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	2760	MPa	ASTM D790
Flexural Strength	58.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	64	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	146	°C	
1.8 MPa, Unannealed, 3.18 mm	121	°C	
Flammability	Nominal Value		Test Method
Flame Rating (3.18 mm)	HB		Internal Method
Injection	Nominal Value	Unit	
Rear Temperature	204 to 249	°C	
Middle Temperature	216 to 260	°C	
Front Temperature	216 to 260	°C	
Nozzle Temperature	216 to 260	°C	
Processing (Melt) Temp	216 to 260	°C	
Mold Temperature	26.7 to 60.0	°C	
Back Pressure	0.345 to 0.689	MPa	

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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



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