



**OmniPro™**  
**HPP GMR40**

40% Glass/Mineral Reinforced, Chemically Coupled, Homopolymer Polypropylene

PHYSICAL	Units	ASTM/ISO Procedure	English	Metric
Melt Flow	g/10 min.	D1238	8	8
Specific Gravity		D792	1.22	1.22
Filler/Reinforcement	%	D2584	40	40
<b>IMPACT</b>				
Izod Impact Resistance Notched 1/8" bar, 73°F	ft.-lbs/in. (J/m)	D256	1.5	80
<b>MECHANICAL</b>				
Tensile Strength At Yield, 73°F	psi (MPa)	D638	11,600	80
Tensile Elongation	%	D638	4	4
Flexural Modulus	psi (MPa)	D790	900,000	6,206
Flexural Strength	psi (MPa)	D790	14,900	103
<b>THERMAL</b>				
Deflection Temperature 1/8" bar, 66 psi	°F (°C)	D648	295	146
1/8" bar, 264 psi	°F (°C)	D648	-	-
<b>FLAMMABILITY</b>				
Flame Resistance *Omni Internal Testing	.125"	UL94	HB*	HB*
<b>RECOMMENDED PROCESSING CONDITIONS</b>				
Drying Temperature			N/A	
Drying Time			N/A	
Maximum Moisture			N/A	
Rear Zone(s)			400 to 480° F	
Middle Zone(s)			420 to 500° F	
Front Zone(s)			420 to 500° F	
Nozzle			420 to 500° F	
Mold Temperature			80 to 140° F	
Melt Temperature			420 to 500° F	
Back Pressure			50 to 100 psi	

Values are based on natural or black materials unless otherwise noted. Properties and values herein are based on laboratory test specimens and should not be used to establish minimum specification limits or fabricate tooling.

Omni does not guarantee the accuracy of this information or the suitability of this product in any given application or usage situation.