



OmniPro™
HPP GRC10

10% Glass Reinforced, Chemically Coupled, Homopolymer Polypropylene

PHYSICAL	Units	ASTM/ISO Procedure	English	Metric
Melt Flow	g/10 min.	D1238	10	10
Specific Gravity		D792	0.99	0.99
Filler/Reinforcement	%	D2584	10	10
IMPACT				
Izod Impact Resistance Notched 1/8" bar, 73 °F	ft.-lbs/in. (J/m)	D256	1.2	64
MECHANICAL				
Tensile Strength At Yield, 73 °F	psi (MPa)	D638	6,000	41
Tensile Elongation	%	D638	3	3
Flexural Modulus	psi (MPa)	D790	400,000	2,760
Flexural Strength	psi (MPa)	D790	8,500	59
THERMAL				
Deflection Temperature 1/8" bar, 66 psi	°F (°C)	D648	295	146
1/8" bar, 264 psi	°F (°C)	D648	250	121
FLAMMABILITY				
Flame Resistance *Omni Internal Testing	.125"	UL94	HB*	HB*
RECOMMENDED PROCESSING CONDITIONS				
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.