



OmniPro™

HPP GMR20 WS02 BK1000

20% Glass/Mineral Reinforced, Chemically Coupled, Homopolymer Polypropylene

PHYSICAL	Units	ASTM/ISO Procedure	English	Metric
Melt Flow	g/10 min.	D1238	5	5
Specific Gravity		D792	1.06	1.06
Filler/Reinforcement	%	D2584	20	20

IMPACT

Izod Impact Resistance Notched 1/8" bar, 73°F	ft.-lbs/in. (J/m)	D256	1.3	69
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MECHANICAL

Tensile Strength At Yield, 73°F	psi (MPa)	D638	8,200	57
Tensile Elongation	%	D638	5	5
Flexural Modulus	psi (MPa)	D790	560,000	3,861
Flexural Strength	psi (MPa)	D790	13,500	93

THERMAL

Deflection Temperature 1/8" bar R.T., 66 psi	°F (°C)	D648	-	-
1/8" bar R.T., 264 psi	°F (°C)	D648	268	131

FLAMMABILITY

UL File Number E138590

Flame Resistance	.059" (1.5mm)	UL94	HB	HB
Flame Resistance	.118" (3.0mm)	UL94	HB	HB
All Color Recognition				

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.