



OmniPro™
HPP CCF10

10% CaCO₃ Reinforced, Homopolymer Polypropylene

PHYSICAL	Units	ASTM/ISO Procedure	English	Metric
Melt Flow	g/10 min.	D1238	10	10
Specific Gravity		D792	0.97	0.97
Filler/Reinforcement	%	D2584	10	10
IMPACT				
Izod Impact Resistance Notched 1/8" bar, 73°F	ft.-lbs/in. (J/m)	D256	0.6	32
MECHANICAL				
Tensile Strength At Yield, 73°F	psi (MPa)	D638	4,000	28
Tensile Elongation	%	D638	>100	>100
Flexural Modulus	psi (MPa)	D790	230,000	1,586
Flexural Strength	psi (MPa)	D790	6,500	45
THERMAL				
Deflection Temperature 1/8" bar, 66 psi	°F (°C)	D648	220	104
1/8" bar, 264 psi	°F (°C)	D648	140	60
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.