



OmniPro™
HPP CCF40

40% CaCO₃ Filled, Homopolymer Polypropylene

PHYSICAL	Units	ASTM/ISO Procedure	English	Metric
Melt Flow	g/10 min.	D1238	10	10
Specific Gravity		D792	1.23	1.23
Filler/Reinforcement	%	D2584	40	40
IMPACT				
Izod Impact Resistance Notched 1/8" bar, 73°F	ft.-lbs/in. (J/m)	D256	1	53
MECHANICAL				
Tensile Strength At Yield, 73°F	psi (MPa)	D638	3,900	27
Tensile Elongation	%	D638	20	1068
Flexural Modulus	psi (MPa)	D790	330,000	2,275
Flexural Strength	psi (MPa)	D790	6,000	41
THERMAL				
Deflection Temperature 1/8" bar, 66 psi	°F (°C)	D648	235	113
1/8" bar, 264 psi	°F (°C)	D648	160	71
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.