



**OmniPro™**  
**CPP 10M FR2**

Flame Resistant, Copolymer Polypropylene

PHYSICAL	Units	ASTM/ISO Procedure	English	Metric
Melt Flow	g/10 min.	D1238	10	10
Specific Gravity		D792	0.98	0.98
Filler/Reinforcement	%	D2584	-	-
<b>IMPACT</b>				
Izod Impact Resistance Notched 1/8" bar, 73 °F	ft.-lbs/in. (J/m)	D256	2	107
<b>MECHANICAL</b>				
Tensile Strength At Yield, 73 °F	psi (MPa)	D638	3,600	25
Tensile Elongation	%	D638	> 100	> 100
Flexural Modulus	psi (MPa)	D790	170,000	1,172
Flexural Strength	psi (MPa)	D790	4,800	33
<b>THERMAL</b>				
Deflection Temperature 1/8" bar, 66 psi	°F (°C)	D648	-	-
1/8" bar, 264 psi	°F (°C)	D648	185	85
<b>FLAMMABILITY</b>				
Flame Resistance *Omni Internal Testing	.118" (3.0mm)	UL94	V-2*	V-2*
<b>RECOMMENDED PROCESSING CONDITIONS</b>				
Drying Temperature			N/A	
Drying Time			N/A	
Maximum Moisture			N/A	
Rear Zone(s)			380 to 460 °F	
Middle Zone(s)			380 to 460 °F	
Front Zone(s)			380 to 460 °F	
Nozzle			380 to 460 °F	
Mold Temperature			80 to 140 °F	
Melt Temperature			380 to 460 °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.