



**OmniPro™**  
**CPP TF20 UV BK1000**

20% Talc Reinforced, UV Stabilized, Copolymer Polypropylene

PHYSICAL	Units	ASTM/ISO Procedure	English	Metric
Melt Flow	g/10 min.	D1238	10	10
Specific Gravity		D792	1.04	1.04
Filler/Reinforcement	%	D5630	20	20
Mold Shrinkage, Isotropic	in/in		.008 - .014	

**IMPACT**

Izod Impact Resistance Notched 1/8" bar, 73°F	ft.-lbs/in. (J/m)	D256	0.8	43
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**MECHANICAL**

Tensile Strength At Yield, 73°F	psi (MPa)	D638	4,400	30
Tensile Elongation	%	D638	30	30
Flexural Modulus	psi (MPa)	D790	350,000	2,413
Flexural Strength	psi (MPa)	D790	6,900	48

**THERMAL**

Deflection Temperature 1/8" bar, 66 psi	°F (°C)	D648	232	111
1/8" bar, 264 psi	°F (°C)	D648	158	70

**FLAMMABILITY**

Flame Resistance *Omni Internal Testing	.125"	UL94	HB*	HB*
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**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.