



OmniPro™
CPP GRC10

10% Glass Reinforced, Chemically Coupled, Copolymer 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	%	D5630	10	10
Mold Shrinkage, Linear	in/in		.001 to .005	
Mold Shrinkage, Transverse	in/in		.004 to .010	
IMPACT				
Izod Impact Resistance Notched 1/8" bar, 73°F	ft.-lbs/in. (J/m)	D256	2	107
MECHANICAL				
Tensile Strength At Yield, 73°F	psi (MPa)	D638	5,500	38
Tensile Elongation	%	D638	5	5
Flexural Modulus	psi (MPa)	D790	380,000	2,620
Flexural Strength	psi (MPa)	D790	12,000	83
THERMAL				
Deflection Temperature 1/8" bar, 66 psi	°F (°C)	D648	265	129
1/8" bar, 264 psi	°F (°C)	D648	245	118
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.