



**OmniPro™**  
**CPP GRC40**

40% Glass Reinforced, Chemically Coupled, Copolymer Polypropylene

PHYSICAL	Units	ASTM/ISO Procedure	English	Metric
Melt Flow	g/10 min.	D1238	8	8
Specific Gravity		D792	1.24	1.24
Filler/Reinforcement	%	D5630	40	40
Mold Shrinkage, Linear	in/in		.001 to .003	
Mold Shrinkage, Transverse	in/in		.004 to .010	
<b>IMPACT</b>				
Izod Impact Resistance Notched 1/8" bar, 73°F	ft.-lbs/in. (J/m)	D256	2.8	149
<b>MECHANICAL</b>				
Tensile Strength At Yield, 73°F	psi (MPa)	D638	13,800	95
Tensile Elongation	%	D638	3	3
Flexural Modulus	psi (MPa)	D790	1,200,000	8,274
Flexural Strength	psi (MPa)	D790	23,000	159
<b>THERMAL</b>				
Deflection Temperature 1/8" bar, 66 psi	°F (°C)	D648	295	146
1/8" bar, 264 psi	°F (°C)	D648	275	135
<b>FLAMMABILITY</b>				
<b>UL File Number E138590</b>				
Flame Resistance	.059" (1.5mm)	UL94	HB	HB
Flame Resistance	.118" (3.0mm)	UL94	HB	HB
All Color Recognition				
<b>RECOMMENDED PROCESSING CONDITIONS</b>				
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.