



OmniPro™
CPP GRC50

50% Glass Reinforced, Chemically Coupled, Copolymer Polypropylene

PHYSICAL	Units	ASTM/ISO Procedure	English	Metric
Melt Flow	g/10 min.	D1238	4	4
Specific Gravity		D792	1.33	1.33
Filler/Reinforcement	%	D2584	50	50

IMPACT

Izod Impact Resistance Notched 1/8" bar, 73°F	ft.-lbs/in. (J/m)	D256	2.5	133
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MECHANICAL

Tensile Strength At Yield, 73°F	psi (MPa)	D638	12,800	88
Tensile Elongation	%	D638	3	3
Flexural Modulus	psi (MPa)	D790	1,200,000	8,274
Flexural Strength	psi (MPa)	D790	19,500	134

THERMAL

Deflection Temperature 1/8" bar, 66 psi	°F (°C)	D648	305	152
1/8" bar, 264 psi	°F (°C)	D648	280	138

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.