

OmniPro™ CPP GRC20

Polypropylene Copolymer

OMNI Plastics, LLC

Message:

20% Glass Reinforced, Chemically Coupled, Copolymer Polypropylene

General Information			
UL YellowCard	E138590-100058507	E138590-101454806	
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Chemically Coupled Copolymer		
UL File Number	E138590		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.10 to 0.40	%	
Across Flow	0.40 to 0.80	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	51.7	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	3450	MPa	ASTM D790
Flexural Strength	86.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	146	°C	
1.8 MPa, Unannealed, 3.18 mm	132	°C	
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	HB		
3.00 mm	HB		
Injection	Nominal Value	Unit	
Rear Temperature	204 to 249	°C	
Middle Temperature	216 to 260	°C	
Front Temperature	216 to 260	°C	

Nozzle Temperature	216 to 260	°C
Processing (Melt) Temp	216 to 260	°C
Mold Temperature	26.7 to 60.0	°C
Back Pressure	0.345 to 0.689	MPa

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Recommended distributors for this material

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