

# OmniCarb™ PCGF20

Polycarbonate

OMNI Plastics, LLC

## Message:

OmniCarb™ PCGF20 is a Polycarbonate (PC) product filled with 20% glass fiber. It can be processed by injection molding and is available in North America.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	10 to 15	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	93.0	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	5520	MPa	ASTM D790
Flexural Strength (Break)	124	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	96	J/m	ASTM D256
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	3.0 to 4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	249 to 282	°C	
Middle Temperature	260 to 293	°C	
Front Temperature	260 to 293	°C	
Nozzle Temperature	271 to 293	°C	
Processing (Melt) Temp	260 to 293	°C	
Mold Temperature	48.9 to 104	°C	
Back Pressure	0.172 to 0.345	MPa	

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Recommended distributors for this material

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