

# McCann PP M20GHPPCC

Polypropylene Homopolymer

McCann Plastics Inc.

Message:

Chemically Coupled-Excellent Heat Deflection Properties  
Description/Uses: Glass Filled 20%, Polypropylene Homopolymer / Lawn & Garden, Automotive, Appliance, and general purpose applications requiring low impact, high stiffness, and good flow. Custom color and UV stabilized versions also available.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Chemically Coupled		
	General Purpose		
	Good Flow		
	Good Impact Resistance		
	High Stiffness		
	Homopolymer		
	Medium Heat Resistance		
Uses	Appliances		
	Automotive Applications		
	General Purpose		
	Lawn and Garden Equipment		
Appearance	Colors Available		
	Natural Color		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 to 0.60	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	92		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	75.8	MPa	ASTM D638
Tensile Elongation (Yield)	4.0	%	ASTM D638
Flexural Modulus - Tangent	3720	MPa	ASTM D790
Flexural Strength	96.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	75	J/m	ASTM D256

Gardner Impact	0.678	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	152	°C	
1.8 MPa, Unannealed	129	°C	

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#### Recommended distributors for this material

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