

MCGB DuraMaze™ CC rCPPP 8020

Polypropylene Copolymer

MCGB BioComposites, LLC

Message:

MCGB DuraMaze™ CC CPPP 8020. A proprietary blend of corn cob fiber and copolymer polypropylene (reclaimed) for injection molding applications. Material made by Green Dot Holdings LLC.

General Information			
Filler / Reinforcement	Corn Cob Flour		
Recycled Content	Yes		
Features	Renewable Resource Content		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.978	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12 to 15	g/10 min	ASTM D1238
Moisture	< 1.0	%	
Particle Size - typical	396	µm	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1740	MPa	ASTM D638
Tensile Strength (Yield)	22.3	MPa	ASTM D638
Tensile Elongation (Yield)	4.2	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	54	J/m	ASTM D256
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	104	°C	
Suggested Max Moisture	0.50	%	
Rear Temperature	177 to 182	°C	
Middle Temperature	177 to 182	°C	
Front Temperature	182 to 191	°C	
Nozzle Temperature	182 to 191	°C	
Processing (Melt) Temp	171 to 182	°C	
Mold Temperature	15.6 to 76.7	°C	

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Recommended distributors for this material

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