

MCGB *Duramaze*[™] CC CPPP 8020

Product Description

MCGB *Duramaze*[™] CC CPPP 8020 is a proprietary blend of corn cob fiber and copolymer polypropylene for injection molding applications.

<u>Property</u>	<u>Specification</u>
Color	Black
Size	0.0156 inch typical
Density	0.9777 g/cm ³
Moisture	<1%
Tensile Strength (at Yield)	3,230 psi
Modulus of Elasticity	253,000 psi
Elongation (at Yield)	4.2%
Impact Strength (notched)	21.02 ft-lb/in

General Processing Conditions

Resin needs to be dried before processing if the moisture is above 0.5%. Resin will dry quickly at 220°F in a desiccant dryer. Typical injection molding temperatures are listed below, these are only a guide and may need to be changed based on the particular application:

Rear	350°F to 360°F
Middle	350°F to 360°F
Front	360°F to 375°F
Nozzle	360°F to 375°F
Mold	60°F to 170°F

The melt temperature of the resin should remain below 400°F to prevent the material from discoloring and having a burnt odor.

Packaging and Storing

Material is typically packaged in a sealed plastic-lined Gaylord at 1200 lbs/Gaylord. The product should be stored in a cool, dry, and sanitary area to achieve maximum stability.

The information and recommendations in this sheet are based on our experience and analysis using standard procedures, and are believed to be accurate and reliable. However, they serve merely as typical guides, and are presented in good faith for the benefit of our customers. No guarantee, expressed or implied, is made regarding accuracy of the analysis, patent infringement, liabilities, or risks involved from the application of our products. Issued: 9/20/10, Revised: 9/20/10, Approved: R&D/CQ by MGP Ingredients.