



TECHNICAL DATA SHEET
MADE FROM STONE™ BC09
MULTICAVIDITY INJECTION MOULDING PE



04/26 REVISION

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PRODUCT DESCRIPTION

BC09 is an ecological mineral compound suitable for multi-cavity injection molding.

This compound is based on treated CaCO₃ with an excellent dispersion rate, combined with high molecular weight HDPE and LLDPE, which together enhances mechanical properties, modifies the impact, and facilitates the process. Specifically, this combination brings stiffness and strength while keeping and improving original key mechanical properties.

We recommend using BC09 at 75% as a starting point. For the letdown resin, use the same base resin at the same ratio as specified in the compound.

PROPERTIES	TARGET VALUE	METHOD
Calcium Carbonate Content (%)	70	-
Polymer (%)	29.8	-
Moisture (%)	≤ 0.05	ASTM D6980
Ash (%)	68 - 72	ASTM D5630
Density (g/cm ³)	1.6 - 1.8	ASTM D792-07
MFI (g/10minute @ 190°C/2.16kg)	50	ASTM D1238
Dispersion (FPV bar/g)	≤ 3	INTERNAL

CODE & PACKAGING

Code Number: BC09

25kg bags, available in one ton supersacks in selected markets.

MAIN APPLICATIONS

Multicavity Injection molding.

ADDITIONAL PROPERTIES

Ideal for faster degradation by using our Bioterra™ and Hydroterra™ additives.

PROCESSING STATEMENT

Melt temperature target range: 220-230°C.

AVAILABILITY

This product is available worldwide, currently being produced in Brazil and India.

FOOD REGULATIONS

BC09 is suitable for food contact application. Upon request, detailed information can be provided in relevant Okeanos Regulatory Statements. For additional specific information, please contact Okeanos' compliance representative at legal@madefromstone.com



STORAGE & HANDLING

This product should be stored in a manner to prevent a direct exposure to sunlight and/ or heat. The storage area should also be dry and preferably don't exceed 50°C. Okeanos would not give warranty to bad storage conditions which may lead to quality deterioration such as color change, bad smell and inadequate product performance. It is advisable to process this compound within 12 months after delivery.

SUSTAINABILITY & COMPLIANCE

Okeanos offers comparative LCA reports (Life Cycle Analysis) customized for the country of origin and manufacturing, versus the baseline original product. Other tools like a consumer drive QR Code are also available.

BRANDING

Okeanos provides our brand partners with a suite of tools used to amplify messaging around your new product Made From Stone! Please note that the use of this compound does not grant automatic permission to use these branding tools. Please contact your local representative or Okeanos support. To learn more visit okeanos.global/brand-guidelines

CONTACT INFORMATION

Contact your local representative, or reach us at support@madefromstone.com if you have any questions, or need additional documentation on this product, or visit okeanos.global

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This product is not intended for the use in medical applications and should not be used in any such applications

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