



TECHNICAL DATA SHEET

# **MADE FROM STONE™ BC01**

FLEXIBLE PACKAGING HDPE



**03/26** REVISION

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## PRODUCT DESCRIPTION

BC01 is a patented ecological mineral compound for low to high stalk blown film operation with adequate back pressure capability for viscous molten material. BC01 is specially developed for the blown film extrusion process (food packaging, confectionery wrappers, pouches, bags, soap wrappers).

This grade is based on treated calcium carbonate (CaCO<sub>3</sub> 65%) with an excellent dispersion rate, combined with high molecular weight HDPE enhances mechanical properties, and is easy to process. It brings stiffness and strength allowing to downgauge without impairing original key mechanical properties. Furthermore, BC01 brings additional process advantages: improves printability and allows processing speed to increase by decreasing drive amps and back pressure resulting in increased extruder thru-put. The thermal conductivity of BC01 promotes higher volumetric output and cools faster as the material exits the die.

BC01 can be processed at 100% without additional resin. Other functional materials can be co-blended during extrusion to enhance desired properties.

PROPERTIES	TARGET VALUE	METHOD
Calcium Carbonate Content (%) <sup>*1</sup>	65	-
Polymer (%)	34.8	-
Moisture (%)	≤ 0.05	ASTM D6980
Ash (%)	63-67	ASTM D5630
Density (g/cm <sup>3</sup> )	1.60 - 1.65	ASTM D792-07
MFI (g/ 10 min @190°C/ 2.16kg)	0.02 - 0.06	ASTM D1238
Dispersion (FPV bar/g)	≤3.0	INTERNAL

\*1 For BR01 CaCO<sub>3</sub> 55%

## CODE & PACKAGING

Code Number: BC01  
25kg bags, available in one ton supersacks in selected markets.

## MAIN APPLICATIONS

Film applications: t-shirt bags & trash bags, wraps, laminate.

## ADDITIONAL PROPERTIES

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

## PROCESSING STATEMENT

Extrusion temperature: 190 - 210°C.

## AVAILABILITY

This product is available worldwide, currently being produced in Brazil, Colombia, Ecuador, Thailand, Mexico and Türkiye.



## FOOD REGULATIONS

BC01 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](mailto: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](https://okeanos.global/brand-guidelines)

## CONTACT INFORMATION

Contact your local representative, or reach us at [support@madefromstone.com](mailto:support@madefromstone.com) if you have any questions, or need additional documentation on this product, or visit [okeanos.global](https://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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