



TECHNICAL DATA SHEET

MADE FROM STONE™ BC02

FLEXIBLE PACKAGING LLDPE & LDPE



03/26 REVISION

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PRODUCT DESCRIPTION

BC02 is an ecological mineral compound developed for pocket process blown film extrusion where toughness, puncture resistance and heat seal strength are required. This compound is formulated with a specially treated calcium carbonate (CaCO₃) combined with a blend of linear low-density (LLDPE) and low density (LDPE) polyethylene. This compound has very good mechanical properties and it is easy to process. Furthermore, BC02 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 BC02 promotes higher volumetric output and cools faster as the material exits the die.

BC02 can be processed and let down up to a minimal recommended level of CaCO₃. Other functional materials and additives can be co-blended during extrusion to enhance desired properties.

PROPERTIES	TARGET VALUE	METHOD
Calcium Carbonate Content (%)	60	-
Polymer (%)	39.8	-
Moisture (%)	≤ 0.05	ASTM D6980
Ash (%)	58-62	ASTM D5630
Density (g/cm ³)	1.55 - 1.60	ASTM D792-07
MFI (g/ 10 min @190°C/ 2.16kg)	0.22 - 0.29	ASTM D1238
Dispersion (FPV bar/g)	≤3.0	INTERNAL

CODE & PACKAGING

Code Number: BC02

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: 170 - 190 °C.

AVAILABILITY

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



FOOD REGULATIONS

BC02 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

Okeanos Group, LLC 2020-2026. Miami, FL 33130 - United States