



TECHNICAL DATA SHEET

MADE FROM STONE™ BC12

FLEXIBLE PACKAGING



03/26 REVISION

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PRODUCT DESCRIPTION

BC12 is an ecological mineral compound designed for blown film extrusion processes designed for LLDPE hexene fractional melt resins. This compound is also acceptable for standard blown film extrusion.

This grade is based on treated calcium carbonate (CaCO₃ 65%) with excellent dispersion, providing an optimal balance between strength and puncture resistance and is suitable for downgauging garbage trash bags.

BC12 is easy to process and delivers additional processing benefits: it improves bubble stability and allows higher processing speeds by reducing drive amps and stabilizing back pressure, resulting in increased extruder throughput. The improved thermal conductivity of the compound promotes higher volumetric output and faster cooling as the melt exits the die.

BC12 can be processed at 100% usage or let down with comparable LLDPE resins, depending on the targeted application and film structure.

PROPERTIES	TARGET VALUE	METHOD
Calcium Carbonate Content (%)	65	-
Polymer (%)	39.8	-
Moisture (%)	≤ 0.05	ASTM D6980
Ash (%)	63 - 67	ASTM D5630
Density (g/cm ³)	1.55 - 1.60	ASTM 792-07
MFI (g/ 10 min @190°C/ 2.16kg)	0.27	ASTM D1238
Dispersion (FPV bar/g)	≤ 3	INTERNAL

CODE & PACKAGING

Code Number: BC12
Packaged in 25kg bags.

MAIN APPLICATIONS

Film applications: T-shirt bags & trashbags, wraps, laminate.

ADDITIONAL PROPERTIES

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

PROCESSING STATEMENT

Extrusion temperature: 180 - 200 °C.

AVAILABILITY

This product is available worldwide, currently being produced in Mexico.



FOOD REGULATIONS

BC12 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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