



TECHNICAL DATA SHEET
MADE FROM STONE™ BC11
FLEXIBLE PACKAGING



04/26 REVISION

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PRODUCT DESCRIPTION

BC11 is a patented ecological mineral compound designed for low to high stalk blown film operations, offering stable processing and adequate back pressure control for molten materials with balanced viscosity. BC11 has been specifically developed for blown film extrusion applications such as t-shirt bags, trash bags, food packaging, pouches, bags, liners and general-purpose flexible packaging.

This grade is based on treated calcium carbonate (CaCO₃ 50%) with excellent dispersion, combined with a tailored blend of high molecular weight HDPE and LLDPE, providing an optimal balance between stiffness, strength and toughness. The formulation enhances mechanical performance while maintaining good elongation and tear resistance, making it suitable for downgauging without compromising key end-use properties.

BC11 is easy to process and delivers additional processing benefits: it improves bubble stability, enhances printability, 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.

BC11 can be processed at high let-down ratios or up to 100%, depending on the targeted application and film structure. Other functional additives or resins can be co-blended during extrusion to further tailor optical, mechanical or sealing properties.

PROPERTIES	TARGET VALUE	METHOD
Calcium Carbonate Content (%)	50	-
Polymer (%)	49.8	-
Moisture (%)	≤ 0.05	ASTM D6980
Ash (%)	48 - 52	ASTM D5630
Density (g/cm ³)	1.60	ASTM D792-07
MFI (g/10minute @ 190°C/2.16kg)	0.04	ASTM D1238
Dispersion (FPV bar/g)	≤ 3	INTERNAL

CODE & PACKAGING

Code Number: BC11
Packaged in 25kg bags.

MAIN APPLICATIONS

Films applications: T-shirt bags, trash bags, wraps.

ADDITIONAL PROPERTIES

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

PROCESSING STATEMENT

Extrusion temperature: 200°C.



AVAILABILITY

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

FOOD REGULATIONS

BC11 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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