



TECHNICAL DATA SHEET

**MADE FROM STONE™ CC02**

FLEXIBLE PACKAGING 25%



04/26 REVISION

# MADE FROM STONE™ CC02

COMPOSTABLE FLEXIBLE PACKAGING 25%

## PRODUCT DESCRIPTION

CC02 is a home and industrial compostable mineral-polymer compound designed for blown film applications, including T-shirt bags, e-commerce packaging, and trash bags. This grade contains 25% treated calcium carbonate (CaCO<sub>3</sub>) combined with a biodegradable polymer blend of PBAT, PLA, and thermoplastic starch (TPS), offering a balanced combination of flexibility, strength, and stiffness suitable for thin films.

CC02 enables the production of films with consistent mechanical performance while supporting downgauging without compromising key properties. The well-dispersed mineral content also helps maintain film integrity and improves handling during bag conversion and usage.

CC02 can be processed on its own or co-blended with other biodegradable additives to enhance properties such as slip, anti-block, or barrier performance, depending on application requirements.

PROPERTIES	TARGET VALUE	METHOD
Calcium Carbonate Content (%)	25	-
Biodegradable Polymers (%)	75	-
Moisture (%)	≤ 0.05	ASTM D6980
Density (g/cm <sup>3</sup> )	1.34	ASTM D792-07
MFI (g/10minute @ 190°C/2.16kg)	3-5	ASTM D1238

## CODE & PACKAGING

Code Number: CC02  
Packaged in 25kg bags.

## MAIN APPLICATIONS

Films, T-shirt bags, organic waste bags.

## ADDITIONAL PROPERTIES

Designed for home compostability based on certified compostable resins, with controlled mineral filler content. Biodegrades into CO<sub>2</sub>, water, and biomass under composting conditions. Suitable for sustainable packaging applications, supporting eco-friendly disposal. Compatible with other biodegradable additives for enhanced slip, anti-block, or barrier properties. Maintains performance in thin film formats (down-gauging possible).

## PROCESSING STATEMENT

Extrusion temperature: 130°C - 150°C.

## AVAILABILITY

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



## FOOD REGULATIONS

CC02 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

Certified industrial compostable according to EN 13432.

OK compost HOME certification available where applicable.

Final certification of the formulation is under evaluation.

Certified for home composting (OK Compost HOME) where applicable.

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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