



TECHNICAL DATA SHEET

MADE FROM STONE™ CC00

HOME COMPOSTABLE

FLEXIBLE PACKAGING (RT114)

09/26 REVISION

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HOME COMPOSTABLE FLEXIBLE PACKAGING (RT114)

PRODUCT DESCRIPTION

CC00 is a certified biodegradable and compostable resin, including OK Compost HOME certification (TÜV Austria), specifically developed for blown film applications.

This grade is based on the RT114 formulation, a carefully engineered blend of PBAT (Polybutylene Adipate Terephthalate), PLA (Polylactic Acid), and thermoplastic starch (TPS), designed to deliver a balanced combination of flexibility, mechanical strength, and processability for high-performance flexible packaging applications.

CC00 enables the production of films with consistent mechanical behavior, making it suitable for applications such as T-shirt bags, waste bags, and other general-purpose packaging, while supporting sustainable end-of-life solutions.

The formulation is free from phthalates, bisphenol-A, and other intentionally added hazardous substances, ensuring compliance with relevant regulatory and safety requirements. It is fully compatible with conventional film extrusion processes, allowing seamless integration into existing production lines.

PROPERTIES	TARGET VALUE	METHOD
Density (g/cm³)	1.26 – 1.3	ASTM 792
Melting point (°C)	95 - 155	DSC
MFI (g/10minutes @ 190°C/2.16kg)	3 - 5	ASTM 1238
Tensile Strength (kN/m)	≥ 600	ASTM D882
Elongation at Break (%)	≥ 450	ASTM D882

CODE & PACKAGING

Code Number: CC00
Packaged in 25kg bags.

MAIN APPLICATIONS

Films, T-shirt bags, organic waste bags, flexible packaging.

ADDITIONAL PROPERTIES

Biodegradable and compostable resin
Good mechanical resistance and elasticity
Suitable for thin film applications
Compatible with standard blown film extrusion processes
Free from phthalates, BPA, and other intentionally added hazardous substances

PROCESSING STATEMENT

Extrusion temperature: 120 - 150°C.
Degradation Temperature: 220°C

AVAILABILITY

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



FOOD REGULATIONS

CC00 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

Certified for home composting (OK Compost HOME TA8022509615 – TÜV Austria)

Complies with EN 13432 and ASTM D6400

Complies with AS 5810-2010

Biodegradable under composting conditions into CO₂, water, and biomass.

Okeanos provides comparative Life Cycle Assessment (LCA) reports tailored to the country of origin and manufacturing processes, benchmarked against the original baseline product. Complementary tools, including consumer-accessible QR codes, are offered to further support transparency.

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/brandguidelines

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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