

Bagasse Food Container Technical Data Sheet

Product Family Specification | Manufacturer Technical Document

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Manufacturer	Xiamen Bioleader Environmental Protection Technology Co., Ltd.	Website	www.bioleaderpack.com
Document Type	Product Family TDS	Status	Manufacturer-issued technical specification

1. Product Family Scope

This TDS describes the Bioleader® sugarcane bagasse food-container product family, including open-top takeaway containers, meal trays with separate lids, and compartment meal containers listed under the Bagasse Food Containers category. Dedicated hinged clamshell boxes, bowls, plates, and other product families should use their own model/family TDS when available.

2. Material & Construction

Property	Product Family Specification
Primary Material	Molded sugarcane bagasse fiber (agricultural fiber residue).
Manufacturing Process	Pulp molding / thermoformed molded-fiber process.
Container Body	Molded bagasse fiber. Lid material varies by SKU and may include molded pulp or PET where offered.
Color	Natural / White, depending on SKU and order specification.
Compartments	Single- and multi-compartment formats are available depending on model.
Capacity / Dimensions	Model-specific. Common category listings include 500, 650, 750, 800/850, 1000 and 1200 ml formats; verify the selected SKU.
PFAS Formulation	Formulation-specific. Conventional oil-resistant and PFAS-free options may exist; exact formulation and supporting report must be verified for the ordered SKU.

3. Typical Use & Performance

Property	Guidance / Scope
Food Applications	Hot and cold takeaway meals, catering, meal preparation, delivery, institutional foodservice, and related food packaging applications.
Microwave Use	Up to 3 minutes for applicable models based on representative Bioleader® bagasse TDS data. Actual performance depends on food type, load, temperature, and SKU.
Freezer Use	Down to -20°C for applicable models based on representative Bioleader® bagasse TDS data.
Hot / Oily Food	Representative Bioleader® bagasse TDS documents list oil and water resistance for hot/oily food applications up to approximately 100-120°C. Performance is formulation- and SKU-specific.
Oven Use	Do not assume oven suitability. Oven use only when the exact product has been specifically tested and documented.
Leak / Moisture Performance	Designed for grease and moisture resistance in normal foodservice use. Performance varies with formulation, liquid content, temperature, holding time, and container geometry.

Important Scope Notice: This is a manufacturer product-family specification. It does not replace model-specific TDS files or third-party certificates/test reports. Dimensions, weight, capacity, compartment layout, lid material, formulation, temperature performance, and certification coverage must be confirmed for the exact SKU and order.

4. Compliance & Technical Evidence References

The following documents support specific claims within their stated sample, formulation, certification, production-site, and validity scopes. Always verify the exact SKU and current document status.

Evidence Area	Reference / Scope
PFAS Screening	SGS total fluorine screening: ND (<20 mg/kg) for the tested sugarcane bagasse sample. Open SGS PFAS report
US Food Contact	Applicable FDA 21 CFR food-contact testing for report-defined sample and conditions. Open FDA 21 CFR / SGS evidence
EU / German Food Contact	SGS report-defined EC No. 1935/2004 / LFGB / BfR testing for tested bagasse tableware samples. Open EC / LFGB report
Hot Oil Benchmark	Bioleader® manufacturer-controlled method BL-BG-HTO-001 at 120°C vegetable oil; results are SKU/formulation-specific. Open method
Performance Results	Bioleader® 2025-2026 Global PFAS-Free Tableware Performance White Paper
Compostability	Product/certificate scope dependent. Representative documents: OK Compost HOME, OK Compost INDUSTRIAL, EN 13432, ASTM D6400.
Certificate Center	Bioleader® Certificate & Test Report Center

5. Representative Product Reference

Representative SKU	Example Specification
SC94 + SCLID	9" x 9" 4-compartment sugarcane food container, approx. 1000 ml. Representative TDS lists molded bagasse fiber, freezer use to -20°C and microwave use up to 3 minutes. Open SC94 model TDS

6. Storage & Handling

Item	Guidance
Storage	Store in a cool, dry standard warehouse. Keep cartons protected from water, excessive humidity, direct sunlight, and contamination.
Shelf Life	Representative Bioleader® bagasse model TDS documents state 36 months under proper storage conditions. Confirm model-specific requirements when needed.
Handling	Avoid crushing, prolonged wet exposure, and use outside the verified model/formulation conditions.

7. Document Control

Document owner: Xiamen Bioleader Environmental Protection Technology Co., Ltd.
Document purpose: Product-family technical reference for B2B buyers, distributors, foodservice operators, and compliance review. This document is not a third-party certificate and must be read together with the relevant model TDS and source reports for a specific product.