Bagasse Trays with Lids 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 trays-with-lids product family, including single-compartment and multi-compartment molded-fiber meal trays supplied with compatible lids for takeaway, delivery, catering, meal preparation, deli, institutional foodservice, and related applications. Exact capacity, geometry, compartment layout, lid material, and packing specification vary by SKU.

2. Material & Construction

Property	Product Family Specification
Tray Body	Molded sugarcane bagasse fiber produced by pulp molding / thermoformed fiber technology.
Tray Color	Natural / White, depending on SKU and order specification.
Lid Options	Depending on model: molded bagasse pulp lid, PET lid, and selected PP lid options.
Plastic Content	Bagasse tray body contains no conventional plastic. Complete-pack plastic content depends on lid selection; PET/PP lids are plastic components.
Compartments	Single- and multi-compartment formats are available, including 1C, 2C, 3C, 4C and 5C configurations depending on model.
PFAS Formulation	Formulation-specific. Conventional oil-resistant and PFAS-free barrier options may be available; verify the exact ordered SKU and supporting report.

3. Typical Use & Performance

Property	Guidance / Scope
Food Applications	Hot and cold meals, takeaway, delivery, catering, meal prep, deli service, institutional meals, and combination meals.
Microwave Use	Applicable bagasse tray-body and pulp-lid models: manufacturer guidance up to 3 minutes. Do not microwave PET or PP lids unless the exact lid specification explicitly permits it.
Freezer Use	Applicable bagasse tray models: down to -20°C based on representative Bioleader® bagasse TDS data.
Hot / Oily Food	Bagasse tray performance is formulation- and SKU-specific. Representative tray TDS documents list oil and water resistance for hot/oily food applications up to approximately 100-120°C.
Oven Use	Do not treat this family as universally oven-safe. Oven suitability requires model-specific testing; PET/PP lids must not be assumed oven-safe.
Closure / Transport	Compatible lids support stacking, handling, and transport. Fit and sealing performance vary by tray/lid combination and must be verified for the selected SKU.

> Important Lid Scope: Compostability, plastic-free status, microwave suitability, and temperature performance must be evaluated for tray and lid separately. A bagasse tray paired with a PET or PP lid is not an all-fiber / plastic-free pack. Use only the exact tray-lid combination specified for the order.

4. Representative Product Range

Series / Model	Representative Specification	Lid / Format Notes
T500 / T650 / T750 / T1000	500 / 650 / 750 / 1000 ml; approx. 180 x 124 mm footprint; tray weights 15 / 17 / 18 / 20 g.	Rectangular takeaway tray series; compatible pulp and clear-lid formats depending on configuration.
450-1000 ml Catering Tray Series	450 / 500 / 650 / 750 / 1000 ml; approx. 205 x 130 mm footprint; height varies by capacity.	Pulp, PET and selected PP lid options are listed for this series.
T053 / T054 / T055 / T056	12 / 16 / 24 / 32 oz tray bodies; 180 x 120 mm or 215 x 140 mm footprints depending on model.	Representative tray-body technical references within the wider tray family.
Compartment Tray Family	Representative 1000 ml 1C / 3C / 4C formats at approx. 228 x 228 x 44 mm; 1200 ml 4C approx. 280 x 220 x 45 mm.	Lid compatibility and packing specification are model-specific.

5. Compliance & Technical Evidence References

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
120°C Hot Oil Benchmark	Bioleader® manufacturer-controlled method BL-BG-HTO-001; performance is SKU/formulation-specific. Open test method
Tray Benchmark Dataset	2025-2026 white paper includes T500, T650, T750, T1000, BT-Lid and T053-T056 rows under the 120°C oil test. Open Performance White Paper
Compostability	Product/certificate scope dependent. Representative documents include OK Compost HOME, OK Compost INDUSTRIAL, EN 13432, and ASTM D6400.

6. Representative Model TDS References

Reference	Use
T053-T056 Tray TDS	12 / 16 / 24 / 32 oz tray-body reference
SC94 Tray + Pulp Lid TDS	Representative multi-compartment tray + molded-pulp lid reference
Category Product Range	Bioleader® Bagasse Trays with Lids category

7. Storage, Handling & Document Control

Storage: Store in a cool, dry warehouse; protect from water, excessive humidity, direct sunlight, high heat, 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 and prolonged wet exposure; keep tray and lid model pairings controlled to prevent fit or sealing issues.
Document purpose: Product-family technical reference for B2B buyers, distributors, foodservice operators, and compliance review. This manufacturer-issued TDS is not a third-party certificate and does not replace model-specific TDS files, current certificates, or destination-market compliance review.