

TECHNICAL DATA SHEET

Sugarcane Bagasse Bowls & Compatible Lid Systems

Company	Xiamen Bioleader Environmental Protection Technology Co., Ltd.	Document No.	BL-TDS-BG-BW-001
Product Category	Sugarcane Bagasse Bowls	Version	1.0
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1. Product Scope

This TDS covers Bioleader® molded sugarcane bagasse bowl bodies in round, square, rectangular and selected specialty formats. Nominal capacities in the current range extend from approximately 250 ml to 1800 ml for core bowl formats. Selected products may be paired with molded-fiber or PET lids. Small sauce/portion cups are not included in the main bowl specification table below.

Scope note: Model names and marketed capacities may be updated over time. Dimensions, weights and packing data are manufacturer specifications and should be confirmed against the purchase order for the exact SKU. Where legacy catalog values and current product-page capacities differ, this TDS uses a capacity range or current marketed description instead of presenting a false single-value precision.

2. Material & Performance Data

Property	Specification / Guidance
Bowl Body Material	Molded sugarcane bagasse fiber (thermoformed pulp). Natural / white options by model.
Manufacturing Process	Pulp molding / thermoformed fiber technology.
Plastic Content - Bowl Body	No conventional plastic in the molded-fiber bowl body. Lid material is specified separately and may be molded fiber or PET.
PFAS Status	Formulation-specific. PFAS-free formulations are available with supporting test documentation for applicable products. Verify the exact SKU/formulation.
Oil / Moisture Resistance	Designed for hot/cold and oily foodservice applications. Representative hot-oil performance may reach approximately 100-120 C for selected formulations; verify exact model and formulation.
Microwave Guidance	Applicable bowl models: manufacturer technical guidance up to 3 minutes. Remove PET lids before microwave reheating unless specifically validated otherwise.
Freezer Guidance	Applicable bowl models: manufacturer technical guidance down to -20 C. Confirm exact SKU and food-use conditions.
Oven Use	No universal oven-safe claim. Oven use requires model-specific validation.
Compostability	Applicable molded-fiber products may be supported by compostability documentation/certification such as OK Compost, EN 13432 and ASTM compostability standards. Scope is product/document specific.
Food Contact	Food-contact test documentation is available for applicable products and destination-market requirements. Test results apply only to the identified sample/product scope.
Typical Applications	Soups, noodles, rice meals, salads, poke bowls, meal prep, takeaway, catering, chilled foods and prepared meals.
Storage	Store dry, clean and protected from direct sunlight, moisture, heat sources and strong odors. Typical shelf-life guidance is subject to SKU and storage condition confirmation.

3. Core Bowl Product Data

Dimensions and weights below are manufacturer specifications. Dia. = outside diameter. Capacity is nominal/marketed capacity and may be shown as a range where current product descriptions vary.

Item	Format	Nominal Capacity	Wt. g	Product Size mm	Pcs/Pack	Pcs/CTN
L015	Round bowl	250 ml / 9 oz	6	Dia.115 x 45	50	1000
L058	Round bowl	300 ml / 11 oz	8	Dia.161 x 36.6	50	1000
L003	Round bowl	340 ml / 12 oz	9	Dia.152 x 45.6	50	1000
L026B	Round bowl	350 ml / 12 oz	9	Dia.135 x 46.6	50	900
L061	Round bowl	350 ml / 12 oz	10	Dia.152 x 45.6	50	1000
L044	Round bowl	400 ml / 14 oz	11	Dia.178 x 40.6	50	1000
L027	Deep round bowl	425 ml / 16 oz	12	Dia.105 x 83	50	600
L010	Round bowl	460 ml / 16 oz	10	Dia.160 x 36	50	1000
L001B	Round bowl	500 ml / 18 oz	13	Dia.155 x 54	50	600
L006	Round bowl	680 ml / 24 oz	13	Dia.189 x 40.6	50	500
L083	Wide-rim bowl	700 ml / 24 oz	19	Dia.208 x 34	50	400
L064	Wide-rim bowl	710 ml / 24 oz	18	Dia.210.7 x 47	50	500
L087	Poke/salad bowl	720-750 ml / 24 oz	22	Dia.196 x 48	50	400
L750	Salad bowl	750 ml	18	Dia.204.4 x 42.6	50	200
L038	Round bowl	850 ml / 29 oz	16	Dia.170 x 59.6	50	500
L084	Wide-rim salad bowl	900-1000 ml / 30-32 oz	22	Dia.208 x 44	50	400
L014B	Deep round bowl	950 ml / 32 oz	24	Dia.175 x 67	50	600
L063	Wide-rim bowl	950 ml / 32 oz	23	Dia.210.7 x 60	50	500
L088	Poke/salad bowl	950-1000 ml / 32 oz	25	Dia.196 x 65	50	400
L1000	Salad bowl	1000 ml	23	Dia.204.4 x 59.6	50	200
L067	Rectangular bowl	1100 ml	22	231 x 182 x 42.85	50	300
L085	Wide-rim bowl	1200 ml / 40 oz	24	Dia.208 x 61	50	400
L068	Rectangular bowl	1800 ml	33	231 x 182 x 76.85	50	300

Additional current specialty family: HEX-1000 hexagonal bowls are marketed in 1000 / 1300 / 1600 ml variants at approximately 240 x 55 / 70 / 80 mm and 25 / 28 / 32 g respectively. Confirm the exact item code and packing configuration before order release.

4. Square, Specialty & Lid Compatibility

Item	Format	Capacity	Wt. g	Size mm	Compatible Lid
L011	Square bowl	24 oz	22	180 x 180 x 60	PET-L011-12-13F / D
L012	Square bowl	32 oz	28	180 x 180 x 70	PET-L011-12-13F / D
L013	Square bowl	40 oz	30	180 x 180 x 90	PET-L011-12-13F / D
HEX-1000 family	Hexagonal bowl	1000 / 1300 / 1600 ml	25 / 28 / 32	240 x 55 / 70 / 80	Model-specific lid system; confirm order

Compatible Lid Systems

Lid Code	Type	Compatible Bowl(s)	Material / Scope
PET-L001D / PET-L001F	PET dome / flat lid	L001B 18 oz bowl	PET; separate material scope
PET-L026D / PET-L026F	PET dome / flat lid	L026B 12 oz bowl	PET; separate material scope
L028	Molded-fiber lid	L027 16 oz deep bowl	Bagasse fiber
PET-L011-12-13F / D	PET flat / dome lid	L011 / L012 / L013 square bowls	PET; separate material scope
L014A	Molded-fiber lid	L014B 32 oz bowl	Bagasse fiber
PET-L014D / PET-L014F	PET dome / flat lid	L014B 32 oz bowl	PET; separate material scope
PET-L063/L064D	PET dome lid	L063 / L064 wide-rim bowls	PET; separate material scope
PET-L067-068F	PET flat lid	L067 / L068 rectangular bowls	PET; separate material scope
L086	Molded-fiber lid	L083 / L084 / L085	Bagasse fiber
PET-L085	PET dome lid	L083 / L084 / L085	PET; separate material scope
PET-L087D / PET-L088D	PET dome lid	L087 / L088	PET; separate material scope

Important: PET lids are not bagasse and should not be represented as compostable molded-fiber components. Microwave, hot-food, compostability and end-of-life claims for the bowl body do not automatically apply to PET lids. Remove PET lids before reheating unless a separate lid specification explicitly permits the intended use.

5. Documentation & Verification

Document / Evidence	Application
PFAS / Total Fluorine Test Documentation	Applicable tested samples/formulations only; verify exact SKU and current report.
Food Contact Test Reports	Applicable US / EU destination-market requirements and identified sample scope.
Compostability Certificates / Reports	Applicable products and certification scope; representative standards may include OK Compost, EN 13432 and ASTM compostability standards.
Manufacturer Hot-Oil / Performance Method	Manufacturer-controlled benchmark for selected bagasse formulations; not a universal third-party certification.
Certificate Center	https://www.bioleaderpack.com/certificate/

Evidence scope: Test results, certifications and technical specifications apply only to the products, samples, formulations, production sites and document scopes identified in the corresponding records. Performance may vary by bowl model, food type, temperature, contact time, formulation, lid type and actual use conditions. This TDS is a manufacturer-issued technical summary and is not itself a third-party certificate.

6. Commercial / Ordering Notes

- Confirm exact bowl item code, capacity, color, lid type, packing configuration and destination-market documentation before purchase order approval.
- For applications requiring PFAS-free, home-compost, industrial-compost, microwave or freezer claims, request the documentation applicable to the exact ordered SKU/formulation.
- Product dimensions and weights are nominal manufacturer specifications and may have normal production tolerances.
- Custom packing, private-label and export carton options are available subject to project requirements and MOQ.

Prepared for Bioleader® product documentation and category evidence use. Current product/category information reviewed 29 Oct 2026.