

TECHNICAL DATA SHEET

Aluminum Foil Lined PE-Coated Paper Salad Bowls Series

Company Name: Xiamen Bioleader Environmental Protection Technology Co., Ltd.	Document No.: TDS-FOIL-PE-SALAD-2026.1	Version: 2026.1
Product Category: Aluminum Foil Lined PE-Coated Paper Salad Bowls	Country of Origin: China	Website: www.bioleaderpack.com

1. MATERIAL DATA

Property	Specification
Product Type	Disposable wide-mouth paper salad bowl for hot and cold takeaway meals
Composite Structure	Food-contact aluminum foil liner + PE coating / bonding layer + food-grade paperboard substrate
Paper Type	337 gsm kraft paperboard or 320 gsm white paperboard, depending on selected SKU
Interior Liner	Smooth food-contact aluminum foil; silver standard, gold-tone option subject to project confirmation
PE Layer	PE moisture / bonding layer; exact coating weight and location subject to approved specification
Exterior Finish	Natural kraft brown or white; custom exterior printing available
Manufacturing Process	Laminating / coating, printing, die-cutting, bowl forming, bottom sealing, rim curling and inspection
Leakage Resistance	Designed for salads, mixed meals and normal takeaway use; no visible leakage under approved internal test conditions
Recommended Fill Temperature	Up to 95°C under normal foodservice conditions; exact performance requires SKU and application validation
Food Applications	Salads, poke bowls, grain bowls, rice meals, noodles, pasta, fruit, curries, meal prep and selected hot or cold foods
Microwave / Oven	Not suitable for microwave ovens, conventional ovens, direct flame or heating elements
Compostability	Not compostable due to the PE polymer layer and aluminum foil liner
Food Contact Compliance	Subject to the exact material, SKU and destination-market test documentation

2. PRINTING & DECORATION SPECIFICATION

Property	Specification
Printing Method	Flexographic printing or other approved process, subject to artwork and order confirmation
Ink Type	Water-based / food-packaging-compliant ink for exterior printing
Printing Position	Outside surface only
Printing Colors	Up to 6 colors, subject to artwork confirmation
Color Standard	Pantone reference or CMYK process printing
Printable Area	Side-wall printing; final layout depends on item size and forming structure
Limitation	Printed surface is not intended for direct food contact unless separately validated

3. PRODUCT DIMENSIONS & PACKING DATA

Nominal dimensions are expressed as Top Diameter × Bottom Diameter × Height. Multiple rim formats are available for selected capacities. Final dimensions, tolerances, packing and compatible lid codes shall follow the approved order specification.

ITEM	Product Name	Material	Product Size (mm)	Pcs/CTN	Carton Size (cm)	Cube/CTN
Paper Salad Bowl Series — Kraft / White Paperboard + PE Coating + Aluminum Foil Liner						
PE-SSK16	500 ml Salad Bowl	337 gsm kraft / 320 gsm white + PE + foil	148×131×46	300	46×31×48	0.0684
PE-SSK26	750 ml Salad Bowl	337 gsm kraft / 320 gsm white + PE + foil	148×129×60	300	46×31×49	0.0699
PE-SSK32	1000 ml Salad Bowl	337 gsm kraft / 320 gsm white + PE + foil	148×129×78	300	46×31×51	0.0727
PE-SSK36	1090 ml Salad Bowl	337 gsm kraft / 320 gsm white + PE + foil	168×145×65	300	52×33×57	0.0978
PE-SSK40	1200 ml Salad Bowl	337 gsm kraft / 320 gsm white + PE + foil	175×148×68	300	54×36×58	0.1128
PE-SSK44	1300 ml Salad Bowl	337 gsm kraft / 320 gsm white + PE + foil	184×161×70	300	55×37×60	0.1221

3.1 Matching Lid Reference

Bowl Rim	Compatible Lid Option	Pcs/CTN	Typical Carton (cm)
148 mm	PP flat / PET dome / paper lid	300 / 300 / 300	48×33×31.5 / 47×33.5×31.5 / 68×32×48
168 mm	PP flat / PET dome / paper lid	300 / 300 / 150	54×32×36 / 55×38×37 / 41×36×54
175 mm	PP flat / PET dome / paper lid	600 / 300 / 150	55×55×38 / 57×38×37 / 38×38×56
184 mm	PET dome / paper lid	300 / 150	58×40×34 / 40×36×59

3.2 Technical Diagrams

REPRESENTATIVE MATERIAL CONSTRUCTION

Exact layer sequence and thickness are confirmed in the approved SKU specification.

Food-contact aluminum foil liner

PE coating / bonding & moisture barrier

Food-grade paperboard substrate

Exterior print / surface finish

FUNCTIONAL ROLE

Smooth food-contact surface

Oil / moisture resistance

Rigidity and shape retention

Branding and identification

Composite construction: not compostable; recycling acceptance depends on local separation infrastructure.

Representative material construction. Exact layer thickness is confirmed by the approved SKU specification.

DIMENSION CONVENTION

Top Diameter (T)

Bottom Diameter (B)

Height

Product Size

T x B x H (mm)

T

Top outside diameter / rim

B

Bottom outside diameter

H

Overall bowl height

All dimensions are nominal and subject to normal manufacturing tolerances.

Dimension convention: top diameter × bottom diameter × overall height.

4. PERFORMANCE & INTENDED APPLICATIONS

Performance Area	Technical Description
Thermal & Freshness Support	Aluminum foil lining supports temperature retention and food presentation for selected hot and cold meals.
Oil / Moisture Resistance	Composite liner supports resistance to dressings, sauces, oil and food moisture during normal takeaway service.
Structural Rigidity	Wide paperboard wall supports shape retention and stackability within the approved load and temperature range.
Lid Fit	Correct rim / lid matching supports closure, spill control and transport convenience; not a hermetic seal.
Typical Holding Use	Designed for normal foodservice and delivery cycles; long-duration storage must be validated with the actual food and lid system.

4.1 Application Guidance

Use Category	Guidance
Recommended	Fresh salads, poke and grain bowls, rice meals, noodles, pasta, fruit, curries and mixed takeaway meals.
Conditional	Chilled foods, hot meals and short-term refrigerated holding, subject to exact SKU, food type and transport validation.
Not Recommended	Microwave reheating, oven heating, direct flame, pressure sealing or prolonged high-temperature cooking.

5. PRODUCT IMAGES

Representative images are shown below. Product appearance, lid style, exterior color and custom printing may vary by SKU and approved order specification.



Representative 500–1300 ml salad bowl family with clear lid options.

FOOD-GRADE MATERIAL

White paper bowl with smooth aluminum-foil lining and PE coating for clean, reliable food contact.

- Food Safe
- Oil Resistant
- Water Resistant
- Heat Insulation



SMOOTH FOIL LINING

Flat, smooth inner surface helps maintain food quality and supports hot or cold applications.

- Smooth Surface
- Leak Resistant
- Easy to Clean Look
- Premium Finish

Smooth food-contact foil lining for oil, moisture and leak resistance.



THICK PAPER WALL

Sturdy white paperboard with PE coating and aluminum-foil lining delivers better rigidity, resists softening, and ensures dependable takeaway performance.

- Strong Sidewall
- Not Easy to Soften
- Stable Shape
- Durable Build

MATCHING LID FIT

Works with a matching clear lid for a secure close, easy carrying, and practical cold-food takeaway or display use.

- Secure Closure
- Takeaway Ready
- Easy to Carry
- Display Friendly



Rigid paper wall and matching clear lid for stable takeaway handling.



Typical applications: salads, poke bowls, pasta, rice meals and fruit.

6. COMPLIANCE & CERTIFICATES

Category	Details
Food Contact	Relevant declarations and test reports can be provided for the selected material / SKU and destination market, including applicable FDA, EU or LFGB requirements.
Chemical Safety	PFAS / PFOA / PFOS statements or test reports are available subject to selected raw materials and current valid documentation.
Quality System	ISO 9001 and BRC documentation may be provided when current and applicable.
Migration Testing	Overall / specific migration testing is arranged where required for the exact composite structure and target market.
Compostability Claims	EN 13432, ASTM D6400, BPI and OK Compost claims do not apply to this PE + aluminum foil composite bowl.

Certificates and Test Reports Download: <https://www.bioleaderpack.com/certificate/>

Compliance Note: The website certificate library does not replace product-specific validation. Request the current report set for the exact paperboard, PE layer, aluminum foil, printing ink, lid and destination market before making regulatory claims.

5. PRODUCT IMAGES — CONTINUED



Gold-tone foil interior — optional customized presentation, subject to MOQ and confirmation.



Custom exterior printing and private-label decoration examples.



Close-up of smooth foil surface and reinforced rolled rim.



Representative bowl and lid details; final configuration varies by rim and SKU.

7. QUALITY CONTROL

Control Point	Inspection Scope
Incoming Materials	Paperboard, PE layer, aluminum foil, printing ink and supporting documentation are checked against approved specifications.
In-Process Inspection	Printing registration, lamination / bonding quality, die-cut dimensions, side seam, bottom seal and rim forming.
Finished Appearance	Cleanliness, odor, deformation, contamination, delamination, visible defects and print quality.
Dimensional Check	Top diameter, bottom diameter, height and rim profile against approved tolerance.
Leak / Seal Check	Water / oil resistance and seam / bottom integrity under the approved internal QC procedure.
Lid Fit Check	Correct engagement, closure consistency and representative handling evaluation.
Packing Check	Quantity, inner bags, carton condition, labels, batch traceability and shipping marks.

8. STORAGE, HANDLING & LIMITATIONS

Item	Details
Storage	Store in a clean, cool, dry and ventilated warehouse. Keep away from direct sunlight, heat, strong odors, chemicals and high humidity.
Transport	Avoid prolonged high-temperature transport, water exposure and excessive compression.
Stacking	Keep cartons upright and within approved stacking limits to prevent rim deformation and side-wall crushing.
Shelf Life	36 months under proper storage conditions, subject to packaging integrity and local warehouse conditions.
Stock Rotation	Use first-in, first-out (FIFO) and inspect cartons before use.

8.1 Use Limitations

- Do not use in microwave ovens, conventional ovens, direct flame, induction heating or in contact with heating elements.
- Do not use as a hermetically sealed or pressure-resistant package.
- Do not overfill; maintain adequate headspace before applying the lid.
- Performance varies with filling temperature, food acidity, oil content, holding time, lid type, transport vibration and stacking load.
- The customer shall validate the finished packaging system under actual filling, delivery, storage and end-use conditions.
- Disposal must follow local composite-packaging waste requirements; separate collection may not be available in every market.

Critical Limitation: This product contains a PE polymer layer and aluminum foil liner. It must not be described as plastic-free, biodegradable or compostable.

9. MANUFACTURER

Field	Details
Manufacturer	Xiamen Bioleader Environmental Protection Technology Co., Ltd.
Brand	Bioleader® (OEM / private-label customization available)
Country of Origin	China
Website	www.bioleaderpack.com
Email	info@bioleaderpack.com
Address	No. 39 Xinglong Road, Xiamen, Fujian, China
Product Reference	https://www.bioleaderpack.com/product/aluminum-foil-lined-paper-salad-bowls-with-lids/

9.1 Packing & Traceability

Packing Item	Requirement
Primary Packing	Inner PE bag or other approved food-packaging bag, according to the confirmed packing specification.
Outer Carton	Export corrugated carton suitable for normal container transport and warehouse stacking.
Label Information	Item code, product description, quantity, batch / lot number and production date as applicable.
Custom Shipping Marks	Available subject to customer artwork, order confirmation and production feasibility.
Traceability	Production batch and raw-material lot records are maintained under the manufacturer quality system.

10. DOCUMENT CONTROL & DISCLAIMER

Version	Issue Date	Revision Description	Owner
2026.1	1st Jan 2026	Initial issue for aluminum foil lined PE-coated paper salad bowl series	Technical & Quality Department

The information in this document represents typical product data at the issue date and is provided for technical reference. It does not constitute a guarantee for every application. The approved sample, signed specification, purchase order and current compliance reports take precedence. Bioleader® reserves the right to update materials, dimensions, packing or processes subject to contractual agreement.