FOOD GRADE PAPER CUPS

TECHNICAL PRODUCT SPECIFICATION SHEET

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Product Multi-Angle Overview



Figure 1: Comprehensive multi-angle product showcase including stackable configuration, internal coating view, base print compliance, and lid fitment.

Key Material & Performance Features

100% Food-Safe Pulp

Manufactured from virgin bamboo and wood pulp. Free from fluorescent whitening agents and toxic dyes.

Dual-Barrier Coating

High-density PE / PLA lining provides leak resistance for temperatures up to 100°C (212°F).

Precision Heat Sealing

Ultrasonic bottom seal prevents leaking, warping, or weakening during extended hot/cold liquid exposure.

Regulatory Compliance & Food Safety Certification

Complies strictly with US FDA 21 CFR 176.170, EU No 10/2011, and GB 4806.8 standards for food contact materials. Certified recyclable and compostable options available under FSC-C123456 guidelines.

Dimensional & Operational Specifications

Parameter	8 oz (240ml)	12 oz (360ml)	16 oz (480ml)
Top Outer Diameter	80.0 mm (±0.5mm)	90.0 mm (±0.5mm)	90.0 mm (±0.5mm)
Bottom Diameter	53.0 mm (±0.5mm)	60.0 mm (±0.5mm)	60.0 mm (±0.5mm)
Total Height	92.0 mm (±0.8mm)	110.0 mm (±0.8mm)	135.0 mm (±0.8mm)
Paper Substrate Basis Weight	280 GSM + 18 GSM PE	300 GSM + 18 GSM PE	320 GSM + 18 GSM PE
Rim Curl Thickness	2.8 mm	3.1 mm	3.1 mm
Thermal Conductivity	Low (Hot & Cold Capable)	Low (Hot & Cold Capable)	Low (Hot & Cold Capable)
Operating Temp Range	-20°C to 100°C	-20°C to 100°C	-20°C to 100°C
Standard Packaging	1,000 units / CTN	1,000 units / CTN	1,000 units / CTN

Storage & Handling Instructions

Store in a clean, dry, and well-ventilated warehouse away from direct sunlight, moisture, and volatile chemicals. Recommended ambient storage temperature is between 15°C and 30°C with relative humidity under 65%. Products should remain sealed in original polyethylene inner sleeves until immediate use to maintain sanitation integrity.

Customization & Printing Capabilities

Flexographic and offset printing available using food-safe water-based inks up to 6 colors. Support for custom embossed patterns, sleeve wraps, and QR code integration on bottom gussets.