DISPOSABLE PAPER CUPS

PRODUCT & TECHNICAL DATASHEET

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Category: Single-Use Beverage Ware
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10 Quick Keywords Specification

1. DISPOSABLE Single-Use	2. MATERIAL Virgin Paper	3. BARRIER PE / PLA	4. INTEGRITY Leak-Proof	5. TEMP RANGE Hot & Cold
6. ECOLOGICAL Recyclable	7. SAFETY BPA-Free	8. SEALING Ultrasonic	9. STRUCTURE Single/Double	10. CERTS FDA / EU

Multi-Angle View Overview



Figure 1: Quad-angle view demonstrating front elevation, angled perspective, top cavity, and side profile.

Key Structural & Material Features

100% Virgin Fiber Paperboard

Crafted from high-density pure wood pulp, providing solid wall stiffness and structural stack stability.

Internal Moisture Barrier

Single or double PE/PLA coating layer engineered to handle liquids from -20°C up to 100°C without leaking.

Precision Rolled Lip

Smooth, tight lip design ensures complete snap-fit sealing with standard SIP lids to prevent accidental spills.

Regulatory & Quality Compliance

Manufactured under ISO 9001 certified facilities. Fully compliant with US FDA 21 CFR 176.170, EU No. 10/2011 food-contact safety standards, and FSC chain-of-custody sourcing.

Dimensional Specifications by Cup Size

Specification Parameter	4 oz (120ml)	8 oz (240ml)	12 oz (360ml)	16 oz (480ml)
Top Rim Outer Diameter	62.0 mm (±0.5mm)	80.0 mm (±0.5mm)	90.0 mm (±0.5mm)	90.0 mm (±0.5mm)
Bottom Base Diameter	45.0 mm (±0.5mm)	53.0 mm (±0.5mm)	60.0 mm (±0.5mm)	60.0 mm (±0.5mm)
Overall Height	60.0 mm (±0.8mm)	92.0 mm (±0.8mm)	110.0 mm (±0.8mm)	135.0 mm (±0.8mm)
Paper Weight (Grammage)	210 GSM + 15 GSM PE	280 GSM + 18 GSM PE	300 GSM + 18 GSM PE	320 GSM + 18 GSM PE
Recommended Thermal Range	-20°C to 90°C	-20°C to 100°C	-20°C to 100°C	-20°C to 100°C

Bulk Packaging & Shipping Metrics

Packaging Configuration	8 oz Standard	12 oz Standard	16 oz Standard
Inner Sleeve Packaging	50 cups / polybag	50 cups / polybag	50 cups / polybag
Master Carton Quantity	20 sleeves (1,000 pcs)	20 sleeves (1,000 pcs)	20 sleeves (1,000 pcs)
Master Carton Dimensions	41 x 33 x 42 cm	46 x 37 x 45 cm	46 x 37 x 52 cm
Carton Gross Weight (G.W.)	8.5 kg	11.2 kg	13.8 kg
20ft FCL Capacity	~480 Cartons (480,000 pcs)	~360 Cartons (360,000 pcs)	~310 Cartons (310,000 pcs)
40ft HQ FCL Capacity	~1,150 Cartons (1.15M pcs)	~880 Cartons (880,000 pcs)	~750 Cartons (750,000 pcs)

Packaging & Storage Guidelines

Inner sleeves are sealed in clean, dust-proof polyethylene bags. Master cases utilize heavy-duty 5-ply corrugated cardboard (K=K board) designed to resist vertical compression during multi-tier container transport. Store in a cool, dry area away from direct sunlight and extreme moisture.

Custom Branding & OEM Options

Custom flexo/offset printing available using odorless water-based inks up to 6 colors. Inner sleeves and master cartons can be custom barcoded and printed with private label SKU markings.