POLY-COATED COLD DRINK CUPS

TECHNICAL SPECIFICATION SHEET

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Category: Cold Beverage Packaging
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10 Quick Keywords Specification

1. COATING Double PE	2. APPLICATION Cold Drinks	3. MOISTURE Sweat-Proof	4. MATERIAL Virgin Board	5. SEALING Leak-Proof
6. THERMAL Iced (-20°C)	7. PRINT INK Flexo Water	8. RIM TYPE Smooth Roll	9. SAFETY BPA-Free	10. CERTS FDA / EU

Product Multi-Angle Overview



Figure 1: Multi-angle breakdown displaying front, side, rear seam, top cavity, bottom embossed ring, and 3D perspective.

Key Engineering & Cold Performance Features

Double PE Coating (Inner & Outer)

Coated on both sides to prevent external condensation softening while locking in chilled carbonated or iced drinks.

High-Rigidity Base Roll

Reinforced recessed bottom seal provides structural integrity under heavy ice loads and high-speed automatic filling.

Tight-Seal Rolled Rim

Precision-curled top rim yields a snap-tight seal with standard PET straw-slot and dome lids to stop drive-thru spills.

Food Safety & Quality Standard Certification

Fully compliant with US FDA 21 CFR 176.170 (contact with aqueous and fatty foods) and European Union Regulation (EU) No 10/2011 for direct food contact safety.

Dimensional & Capacity Specifications

Parameter	9 oz Cold (270ml)	12 oz Cold (360ml)	16 oz Cold (480ml)	22 oz Cold (650ml)
Top Rim Diameter	78.0 mm (±0.5mm)	90.0 mm (±0.5mm)	90.0 mm (±0.5mm)	90.0 mm (±0.5mm)
Bottom Base Diameter	53.0 mm (±0.5mm)	60.0 mm (±0.5mm)	60.0 mm (±0.5mm)	63.0 mm (±0.5mm)
Total Cup Height	96.0 mm (±0.8mm)	112.0 mm (±0.8mm)	138.0 mm (±0.8mm)	168.0 mm (±0.8mm)
Paperboard GSM	260 GSM + 18/15 PE	280 GSM + 18/15 PE	310 GSM + 18/15 PE	340 GSM + 18/15 PE
Temp Range	-20°C to 50°C	-20°C to 50°C	-20°C to 50°C	-20°C to 50°C

Bulk Packaging & Logistics Data

Logistics Detail	12 oz Cold Cup	16 oz Cold Cup	22 oz Cold Cup
Sleeve Quantity	50 cups / PE polybag	50 cups / PE polybag	50 cups / PE polybag
Master Carton Yield	20 sleeves (1,000 pcs)	20 sleeves (1,000 pcs)	20 sleeves (1,000 pcs)
Carton Dimensions	46 x 37 x 45 cm	46 x 37 x 53 cm	46 x 37 x 68 cm
Gross Weight (G.W.)	11.8 kg / carton	14.2 kg / carton	17.5 kg / carton
20ft Container Load	~360 Cartons (360k pcs)	~310 Cartons (310k pcs)	~230 Cartons (230k pcs)
40ft HQ Container Load	~880 Cartons (880k pcs)	~750 Cartons (750k pcs)	~560 Cartons (560k pcs)

Storage & Cold Packaging Guidelines

Each inner stack is wrapped in sealed dust-proof polyethylene bags. Standard shipping cases are crafted from 5-ply corrugated K=K strength board to withstand humid ambient conditions during cold storage transport without collapsing.

Custom Graphic & Branding Capabilities

High-definition flexographic printing up to 8 colors using food-grade, odor-free water-based inks. Matching clear PET flat and dome lids (90mm rim standard) available for bundled ordering.