

Prototype Specifications

Geocup: the hot cup with cool zones.
(geocup.com)

“Grasp the cool zones, press tab above thumb and sip safely.”

Geocup, v.1: Prototype Specifications

- Premier sizes of the paper cup with cool zones: 12, 16 & 20 ounce cups.
 - 8-port safety-sip plastic lid—one size fits all.
- A. Kraft cupstock specifications: chlorine-free, 100% virgin “tree farm” fiber*
- Sidewall: 14 pt., 46#, PE coated one-side†
 - Bottom: 12 pt., 46#, PE coated one-side†
 - Sidewall strips: micro-flute corrugated (recycled) paperboard type ‘G’, 34 pt.
 - Strip attachments: a.) cold glue attachment—polyvinylacetate (PVA) and/or
b.) heat seal attachment—micro-flute liner laminated w/LLPE film
- B. 12, 16 & 20-ounce cup specifications:
- Rim diameter: 3.508”
 - Standing height: variable
 - Total board thickness at tactile strips: 0.050”.
 - Sidewall angle: 6° (+/-)
 - Manufactured clearance: variable
 - Bottom depth: variable
 - Rim offset: 0.0260”
 - Bottom offset: 0.125” (+/-)
- C. Sidewall printing:
- Non-toxic printing inks
- D. 8-port safety-sip lid:
- Lids currently manufactured by Buckell Plastic Co., Inc.
 - Polystyrene (PS) used for the lids (0.14”) is a totally chlorine-free resin.
- * Full production cupstock to be unbleached 50/50 fiber blends. The target mix for these alternative blends is 50% post-consumer recycled fibers and 50% non-wood and/or “tree farm” fibers.
- † Polyethylene (PE) film used for the cups (.075”) is a totally chlorine-free resin.

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