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YOUR CUSTOM PRINTING & PACKAGING PARTNER FOR SMALL AND MEDIUM BUSINESSES



Custom Plastic Tumblers: Double-Wall Branded Cups Planned Around Your Event Date

Product Image













Details

Custom plastic tumblers are reusable, logo-printed cups made from polypropylene, acrylic or Tritan, in single-wall or double-wall form. They suit expos, fundraisers, staff gifts and venue promotions where low unit cost, light weight and bright color matter more than all-day insulation. Before you order, lock in three things: the decoration method, the dishwasher claim for that specific SKU, and the proof-approval date.

Who Buys Custom Plastic Tumblers, and What Are They Really Paying For? [↑](#)

The typical buyer is not a collector. It might be a marketing coordinator stocking a trade-show booth, an HR team onboarding new hires, a church or school running a fundraiser, a clinic choosing waiting-room gifts, or a venue selling reusable stadium cups. Distributors describe the category plainly.

Totally Promotional calls its range [promotional tools for expos, fundraisers and company events](#)^[1]. What these buyers actually pay for is a logo that people keep seeing, delivered before a fixed date.

Category research shows that this retention is measurable. The [ASI 2023 Ad Impressions Study](#)^[2] reported 3,162 lifetime impressions for drinkware. In that study, 63% of consumers kept the item at least a year, and 30% said they were more likely to do business with the advertiser. ASI's [2026 drinkware study](#)^[3] used a different method. It found that 87% of end-users would keep branded drinkware because it is useful, with about 1,300 lifetime impressions. Cite each figure with its edition and never blend the two. In 2024, drinkware also held 10.2% of U.S. distributor sales, second only to apparel, according to [PPAI](#)^[4].

Buyers usually choose between two lanes. The first is a few-dollar printed plastic cup that ships in days. The second is a premium double-wall brand cup priced several times higher. Buyers rarely mix both lanes in one order. This page covers the first lane and the double-wall upgrade within it.

Why Do Branded Plastic Tumbler Orders Fail After the Cups Ship? [↑](#)

The most common failure happens after delivery, when the first recipient puts the cup in a dishwasher. One reviewer on [BBB](#)^[5] wrote that "after one or two washes the logo started to peel away." The merchant replied with a recommendation to hand-wash, because dishwasher heat can damage the imprint. Many catalog pages already say "hand wash only," while their marketing copy promises durable brand exposure.

The damage builds over time. In 2018, the Nashville distributor [Promo Hounds](#)^[6] wrote that screen-printed drinkware washed several times a week shows a faded logo in about a year, even when it is labeled top-shelf safe. Double-wall cups add a second risk. One [Reddit user](#)^[7] described water getting "in between the 2 layers, ruining the cup." Timing failures cannot be fixed after the fact. A buyer on [r/Alibaba](#)^[8] ordered 80 custom tumblers on January 22 for an April 3 event. The first sample video arrived on March 11, and the customization was wrong.

The fix is a process, not a promise. We run each order as an event-date project, in this sequence:

- We confirm drink temperature and washing method first.
- We match the decoration to that care routine.
- We do not print before written proof approval.
- We inspect the finished cups against the approved proof.

For our Custom Plastic Double-Wall Tumblers, we quote MOQ, lead time and unit price per order after reviewing your artwork. Any dishwasher or capacity claim stays on the list of sample-test items until a sample verifies it.



Contents

- [Who Buys Custom Plastic Tumblers?](#)
- [Why Do Orders Fail After Shipping?](#)
- [What Is a Double-Wall Plastic Tumbler?](#)
- [How to Order on Time and Readable](#)
- [Which Plastic and Decoration Fit Your Budget?](#)
- [What to Verify Before You Approve](#)
- [Key Takeaways](#)
- [Ready to Brief Your Order?](#)

What Is a Custom Plastic Double-Wall Tumbler, Exactly? [↑](#)

A double-wall tumbler has two molded plastic walls separated by an air gap, closed with a lid and often fitted with a straw. The gap is air, not a vacuum. In [Promotional Product Inc.'s words^{\[9\]}](#), a double-wall plastic tumbler "slows melting and stops condensation, but it will not match a vacuum-insulated steel tumbler over several hours." The same source adds that a dishwasher-safe label "is a per-product claim, not a material guarantee." Treat this cup as a cold-drink, sweat-free cup for events and desks, not as a commuter thermos.

The decoration can sit in one of two places. It can go on the outer surface as a screen, pad or digital print, or it can be sealed between the walls. Sealed artwork cannot rub off, but it requires a dedicated double-wall SKU, usually with higher minimums. Single-wall versions cost less again. For example, 4imprint's [20 oz Full Color Travel Tumbler^{\[10\]}](#) is single-wall #5 polypropylene and is labeled cold beverages only.

Material identity matters for compliance. Polypropylene in food contact falls under [21 CFR 177.1520^{\[11\]}](#). That section permits listed olefin polymers in food-contact articles, subject to its composition and extraction limits. A #5 resin code on the cup body does not prove that the lid, gasket or ink were evaluated for the same conditions, so request documentation for each part separately.

How Do You Order Custom Plastic Tumblers That Arrive on Time and Stay Readable? [↑](#)

Step 1: Write the use conditions before choosing a cup

Start by recording five conditions:

- drink temperature
- dishwasher or hand washing
- whether children will use the cups
- the event date
- the target unit price

Each condition narrows the options. Hot coffee rules out most plastic. A kids' giveaway adds CPSIA testing. A sports venue usually wants stackable cold cups. Confirm capacity on the sample with the lid fitted. A Hong Kong Consumer Council survey reported by [SGS^{\[12\]}](#) found that 14 of 18 tumblers held 3.33% to 20.24% less than their labels stated. For our tumblers, usable capacity depends on physical dimensions, lid-on fill level and sample measurement, not on a catalog ounce figure.

Step 2: Size the logo to the printable area

Readability depends on the printable area, not on the mockup. A full-wrap PP tumbler at [4imprint^{\[10\]}](#) offers a print area 6.25 in high by 11 in wide. DiscountMugs' 18 oz double-wall [TMC19^{\[13\]}](#) offers only 2.75 in wide by 1.50 in high, and its listing reads "Made in USA: No." A panel that small fits a bold mark but not a photo. Fine text, thin strokes and a tagline under the logo usually blur on curved plastic. Check legibility at arm's length on the physical sample.



Step 3: Choose surface finish, lid and decoration together

Clear, frosted, colored and wheat-straw bodies each change how ink reads. A translucent or dark base

can mute a spot color, and a clear body shows anything printed on the opposite side. Lid colors are often limited to a few stock options. Straws are part of the specification too, because the material and edge finish of a straw raise safety questions (see the compliance section below). Decide finish, lid, straw and decoration as one combination, then confirm the care instructions for that exact combination.



Step 4: Preflight the artwork file

Send three things with the artwork:

- vector files with outlined fonts
- Pantone references for every spot color
- the exact print location relative to the handle or lid opening

Do not expect full-color photo art to match a monitor. An e-proof confirms position and size, but it is not a color contract for transparent or deep-blue plastic. For a new body color, request a physical sample. Our quotes list file corrections and revision rounds, so you can see the art time before production days start.



Step 5: Count production from proof approval, not from the order date

[PrintGlobe^{\[14\]}](#) states that "production time starts after proof approval." 4imprint's guidance on [ordering custom mugs^{\[15\]}](#) puts production at five to 10 business days.

Food-service maker [G.E.T.^{\[16\]}](#) describes a different supply chain. One-color screen printing has a minimum of about 144 pieces and takes 10–15 business days. Multi-color heat transfer starts at 5,000–7,000 pieces and takes 8–12 weeks or more. These figures date from around 2017, although the article was published in 2022. Factory-tooled projects take longer still: [Anthem Branding^{\[17\]}](#) lists about 30–35 days of production, plus air or ocean freight.

Plan backward from the event date: last approval date, ship date, transit time, then a buffer. Never announce an arrival date to attendees without a written ship date.



Step 6: Inspect against the approved proof

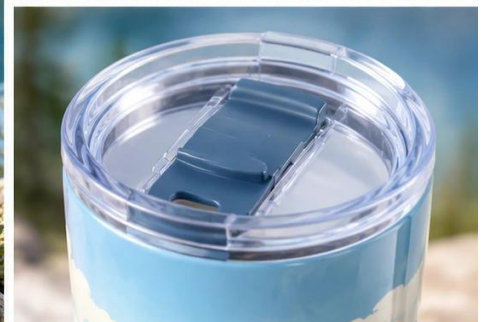
Check	Method	Reject if
Print position and color	Compare with approved proof in daylight	Outside imprint box, off-color, smudged
Wrap seam and registration	Rotate cup 360°	Misaligned seam or missing letters
Drinking surface	Inspect inside stacked cups	Any ink transfer on the inner wall
Wall seal (double-wall)	Look between walls against light	Fog, dust or droplets in the gap
Lid and straw fit	Invert for 60 seconds, then lay on side	Any drip at lid, straw hole or slider
Count and capacity	Count cartons; measure lid-on fill on samples	Short count or capacity outside agreed tolerance

Write the sample size and capacity tolerance into the purchase order before production. Passing a factory leak check does not guarantee field performance. [OHWAY^{\[18\]}](#) notes that factories often test with static room-temperature water, while consumers use carbonated or hot drinks and dishwashers. Repeated heat can slightly change the dimensions of plastic lids and gaskets. We treat leak and capacity results as sample-stage test items.



Step 7: Pack, ship and plan the reorder

The quote should state the case pack and carton count, and whether inner sleeves or dividers protect printed surfaces from scuffing. Photograph cartons on arrival, because damage claims are easier to resolve with evidence. Keep 2-3% spares from the same production run instead of relying on warranty swaps. Archive the approved proof, Pantone values and print position so that a reorder matches the first run. We confirm case pack, carton weight and packaging specifications for our tumblers at quotation.



Which Plastic and Decoration Method Fits Your Event and Budget? [↑](#)

Material	Best fit	Watch out for
Polypropylene (PP), single or double wall	Budget giveaways, office use, bright colors	Scratches; less clarity; many SKUs are cold-only
Double-wall acrylic	Cold-drink promotions, straw tumblers	Scratches easily; poor choice for hot drinks
Tritan copolyester	Gifts, kids, high-impact use	Premium price; claims vary by finished SKU
Polystyrene stadium or pint cup	Venues, sports, beer promotions	Short-life feel; cold drinks only
Wheat-straw or recycled PP	Sustainability-themed events	Needs resin-specific food-contact documents

This table compares materials only, not brands. Eastman describes [Tritan](#)^[19] as shatter-resistant, BPA-free, food-contact safe and dishwasher safe. Even so, a finished cup inherits those properties only if its lid, ink and assembly are documented as well. Polystyrene and low-cost acrylic win on unit price but feel short-lived. Double-wall PP is the usual middle ground for desks and events.

Decoration	Strength	Limit
Screen print	Bold 1–4 color logos, lowest cost	Weak on gradients; surface wear in dishwashers
Pad print	Small logos on curves and lids	Small imprint area
Digital or UV full wrap	Photos and multi-color art	Higher setup; often hand-wash only
Sealed between walls	Artwork cannot rub off	Dedicated SKU, higher minimums, longer lead time

4imprint's [travel mug guide](#)^[20] calls screen printing ideal for simple designs, pad printing suited to uneven surfaces, and digital printing best for full color. [River City Screenprinting](#)^[21] calls screen printing "the most common method for plastic water bottles and tumblers," working with 1–4 colors. For sealed decoration, [PrintGlobe](#)^[22] notes that an emblem sealed between the two layers "won't rub off."

Published example	Price tiers (USD/unit)	Extra fees	Production
4imprint 20 oz single-wall PP, full wrap ^[10]	50 pcs \$4.45; 500 pcs \$3.15; 5,000 pcs \$2.45	\$55 setup	5 business days, ≤500 units, one location
PrintGlobe 20 oz double-wall ^[14]	Min 100; about \$5.82–\$6.17 one color	\$55 setup; \$30/color reorder	3–5 business days after proof
Promotional Product Inc. 22 oz single-wall ^[23]	120 pcs \$2.94 to 2,520 pcs \$1.69	\$40 screen setup	7–9 business days
BRAVA 14 oz double-wall acrylic ^[24]	50 pcs \$7.07 to 1,050 pcs \$5.55	\$50 setup; \$300 minimum order	Not listed
Tervis custom 24 oz (retail) ^[25]	\$28.99 single piece	Lid not included	Per order
G.E.T. one-color screen print (legacy) ^[16]	\$0.55–\$0.65 imprint per cup; about 144 minimum	\$95–\$105 setup	10–15 business days

These rows are catalog snapshots, not quotes. They differ in material, decoration and country of origin, so use them as budget ranges, not as a ranking. Pages change, so reconfirm pricing before you commit. Here is a worked example from the [4imprint listing](#)^[10]: 50 full-color PP tumblers at \$4.45 plus a \$55 setup fee comes to about \$277.50 before freight. We quote our Custom Plastic Double-Wall Tumblers per SKU and quantity, and every quote itemizes the setup, color and freight charges.

What Should You Verify in Compliance, Care and Warranty Terms Before You Approve? [↑](#)

Compliance documents. The FDA states that the [available information continues to support the safety of BPA](#)^[26] for currently approved food-container uses. Buyers still ask for BPA-free materials, especially for schools and clinics. BPA-free, FDA food-contact, CPSIA and Prop 65 are four separate documents, and one does not substitute for another. Wording such as "FDA approved," which appears on the [BRAVA page](#)^[24], is usually inaccurate for polymers. The accurate claim is that the material complies with a specific 21 CFR section for its intended use. Ask for a supplier declaration of conformity instead.

Which documents you need depends on where and to whom the cups go:

- **California sales:** BPA is listed under Proposition 65 for reproductive toxicity, according to [OEHHA](#)^[27]. FDA compliance does not remove a Prop 65 warning obligation.
- **Children's products:** Products intended for children 12 and under trigger [CPSIA](#)^[28] lead and phthalate limits, plus testing and tracking requirements.
- **Recycled content:** FDA's [recycled plastics guidance](#)^[29] generally treats contaminant intake up to 1.5 µg per person per day as negligible. A "recycled plastic" label therefore needs an evaluation of the recycling process behind it.

Care instructions. Ask for two separate care lines on the quote: one for the cup body and one for the imprint. Market a cup as dishwasher safe only when the supplier states in writing that the imprint itself is dishwasher safe. Otherwise, include hand-wash instructions on an insert card.

Accessory safety. In 2024, the [CPSC recalled](#)^[30] about 60,000 printed 24 oz plastic tumblers after four reports of cuts from their metal straws. Before ordering, search [cpsc.gov](#) for the supplier name and cup model. Ask for edge-finish records on any metal straw.

Warranty terms. A "lifetime" label is not a contract. One third-party summary of the [Tervis claim process](#)^[31] reports that customers pay return shipping and wait about 30 business days. Your purchase order should state four things: which defects are covered (seal failure, cracking, abnormal decoration loss), who pays return freight, how long replacement takes, and whether personalization is reproduced on replacements.

Key Takeaways for Custom Plastic Tumbler Buyers [↑](#)

- **Drinkware is a core promotional category, not a niche** — 10.2% of U.S. distributor sales in 2024 ([Source](#))
- **Recipients keep branded drinkware** — 87% would keep it; about 1,300 lifetime impressions (2026 study) ([Source](#))
- **The production clock starts at proof approval** — typically 5–10 business days for custom mugs ([Source](#))
- **Food-contact polypropylene has a specific federal rule** — 21 CFR 177.1520 ([Source](#))
- **Labeled capacity can run short, so measure samples** — 14 of 18 tumblers held

3.33–20.24% less than labeled ([Source](#))

- **Accessories carry recall risk** — about 60,000 printed plastic tumblers recalled over metal straws ([Source](#))

Ready to Brief Your Custom Plastic Tumbler Order? [↑](#)

A good order starts with conditions, not catalogs: the drink, the washing routine, the audience, the event date and a logo sized to a real print area. Send us your vector logo, quantity, event date and intended use. We will return a quote for Custom Plastic Double-Wall Tumblers that covers MOQ, the proof and sample timeline, decoration options, care rating and inspection plan, with every unverified claim marked as a sample-test item. **Request your quote today.**

^[1]Totally Promotional: Plastic tumbler category page describing event and fundraiser use. [↵](#)

^[2]ASI 2023 study: Drinkware impressions, retention and advertiser favorability survey. [↵](#)

^[3]ASI 2026 drinkware: Retention and lifetime impressions for branded drinkware. [↵](#)

^[4]PPAI: 2024 distributor sales estimate with drinkware category share. [↵](#)

^[5]BBB: Customer review of a logo peeling after dishwasher washes. [↵](#)

^[6]Promo Hounds: Distributor note on screen-print fading in dishwashers (2018). [↵](#)

^[7]Reddit: User report of water entering between double walls. [↵](#)

^[8]r/Alibaba: Event order with a late, incorrect customization sample. [↵](#)

^[9]Promotional Product Inc.: Plastic versus stainless insulation and dishwasher claims. [↵](#)

^[10]4imprint 169857: 20 oz PP tumbler specifications, imprint area and price tiers. [↵](#)

^[11]eCFR: 21 CFR 177.1520 food-contact rule for olefin polymers. [↵](#)

^[12]SGS: Consumer Council survey finding understated tumbler capacity. [↵](#)

^[13]DiscountMugs TMC19: 18 oz double-wall tumbler imprint area and origin. [↵](#)

^[14]PrintGlobe: 20 oz double-wall tumbler pricing and proof-based timing. [↵](#)

^[15]4imprint FAQ: Typical production time and pricing for custom mugs. [↵](#)

^[16]G.E.T.: Food-service tumbler minimums, setup fees and turnaround (legacy figures). [↵](#)

^[17]Anthem Branding: Factory-level custom tumbler sampling and production timeline. [↵](#)

^[18]OHWAY: Factory leak tests versus real-world use conditions. [↵](#)

^[19]Eastman: Tritan drinkware durability and food-contact properties. [↵](#)

^[20]4imprint guide: Screen, pad and digital printing for travel mugs. [↵](#)

^[21]River City: Practical drinkware guide on screen printing plastic tumblers. [↵](#)

^[22]PrintGlobe Tervis: Decoration sealed between tumbler walls. [↵](#)

^[23]Promotional Product Inc. 22 oz: Single-wall tumbler tiers, setup and production. [↵](#)

^[24]BRAVA: 14 oz double-wall acrylic tumbler pricing and claims. [↵](#)

^[25]Tervis: Custom 24 oz retail tumbler listing. [↵](#)

^[26]FDA: Questions and answers on BPA in food-contact applications. [↵](#)

^[27]OEHHA: Proposition 65 BPA chemical fact sheet. [↵](#)

^[28]Compliance FAQ: CPSIA requirements for children's products. [↵](#)

^[29]FDA guidance: Chemistry considerations for recycled plastics in food packaging. [↵](#)

^[30]CPSC: HALO recall of plastic tumblers with metal straws. [↵](#)

^[31]LegalClarity: Third-party summary of the Tervis guarantee claim process. [↵](#)

Product Option