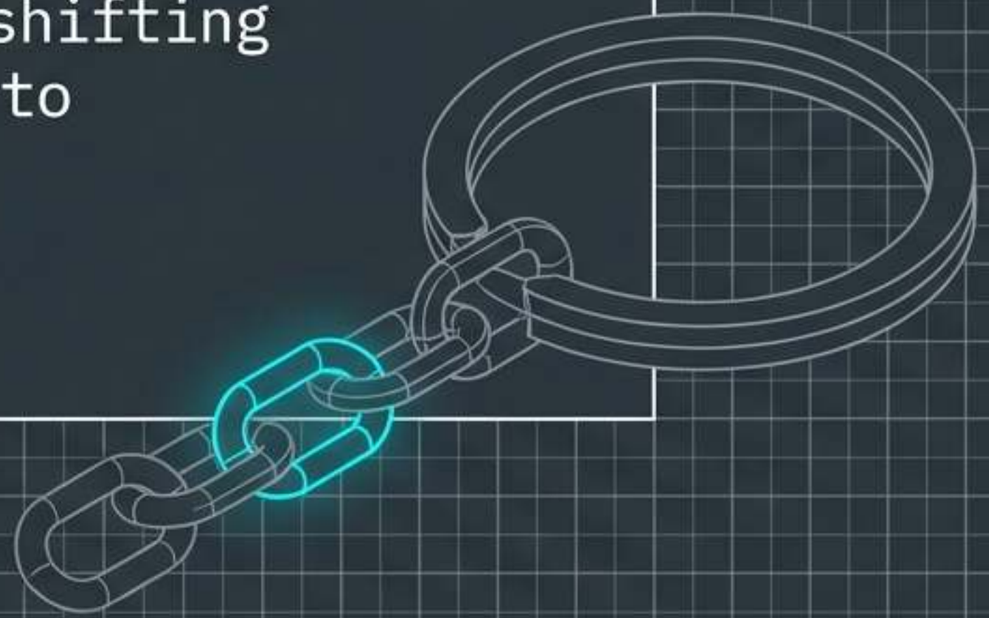
Specification Dossier: Custom 2D Soft PVC Keychains

A definitive buyer’s playbook for shifting from passive commodity purchasing to rigorous, reviewable procurement.

SKU ZPCK0004



ZIGPAC

Establishing the Project Baseline



Current Status: Locked

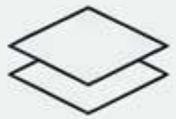
Product Identity: Custom 2D molded soft PVC keychain.

Reference: Provisional SKU ZPCK0004.

Required Confirmation: Project-Dependent

- **Dimensions & Thickness**: Requires dimensioned drawing (mm) and approved sample.
- **Unit Weight**: Requires sample measurement (g) including hardware.
- **Colors, Reverse & Hardware**: Requires written spec and assembled sample.
- **MOQ, Price & Schedule**: Requires itemized USD quotation and dated milestones.
- **Compliance**: Requires applicable testing; no universal product-specific test evidence is assumed.

The Construction Comparison Matrix

Construction Format	Reason to Consider	The Decision Boundary
 2D Molded Soft PVC	Soft-format logo/illustration using defined color areas	Approve readable details and actual assembled feel.
 3D Molded PVC	Concept specifically requiring sculpted form	A separate construction requiring its own tooling/quotation.
 Silicone	Brief explicitly calling for silicone material	Do not transfer silicone's claimed properties to soft PVC.
 Printed Acrylic	Artwork depending on photographic detail or gradients	Assess its rigid format, printing, and attachment separately.
 Metal or Enamel	Brief prioritizing metal appearance/feel	Review weight, finish, artwork treatment, and total cost.

Preparing Artwork for Physical Tooling

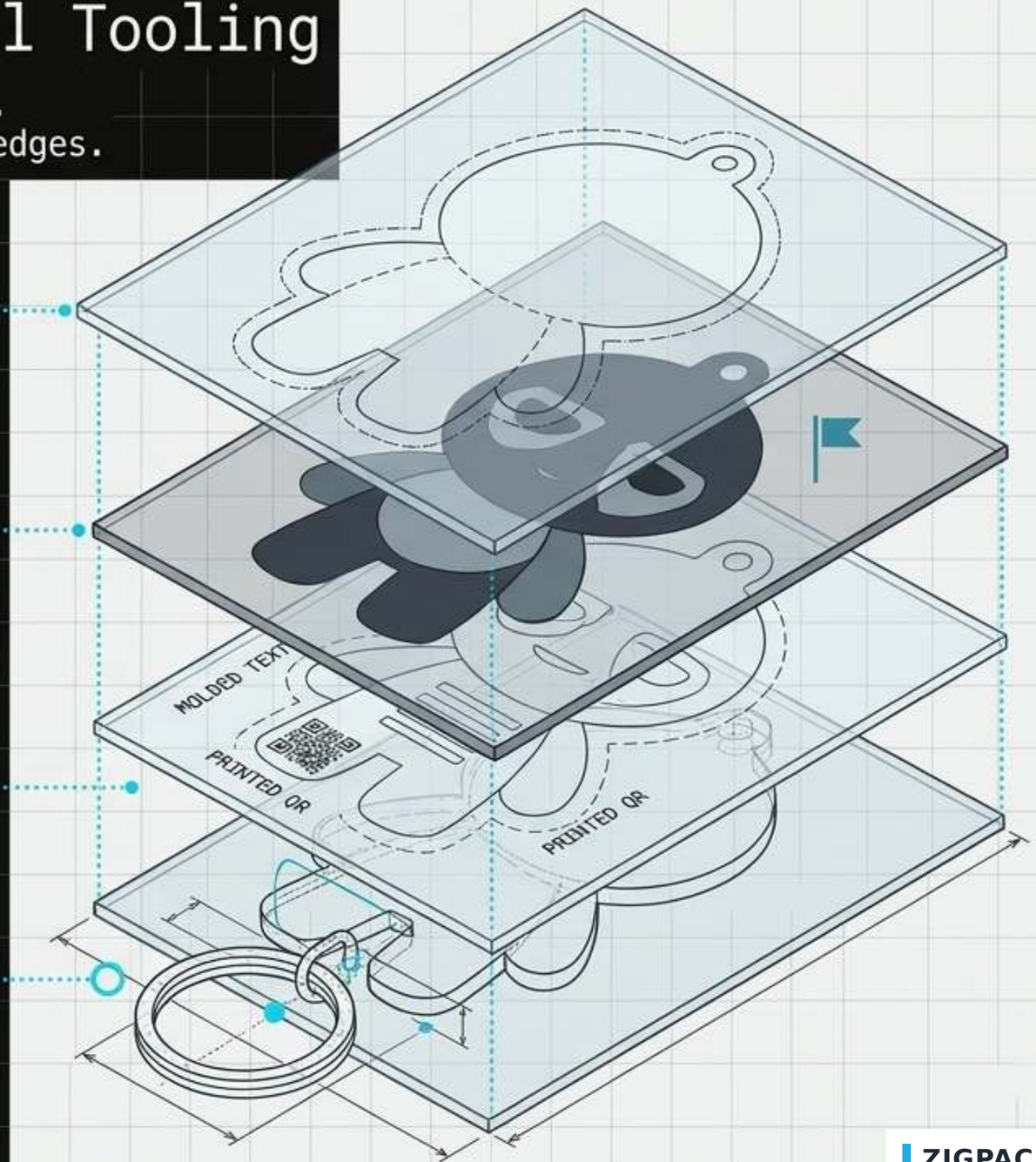
Digital layouts must separate components for molding.
Use vector formats (AI, EPS, vector PDF) to control edges.

Body Outline: Define the physical perimeter. Protect essential character/brand details from edge trimming.

Front Artwork: Define solid vector color zones. Solid colors only—identify and flag any shading or photographic gradients for separate decoration assessment.

Reverse Elements: Describe independently. State whether text/QR codes will be molded or printed.

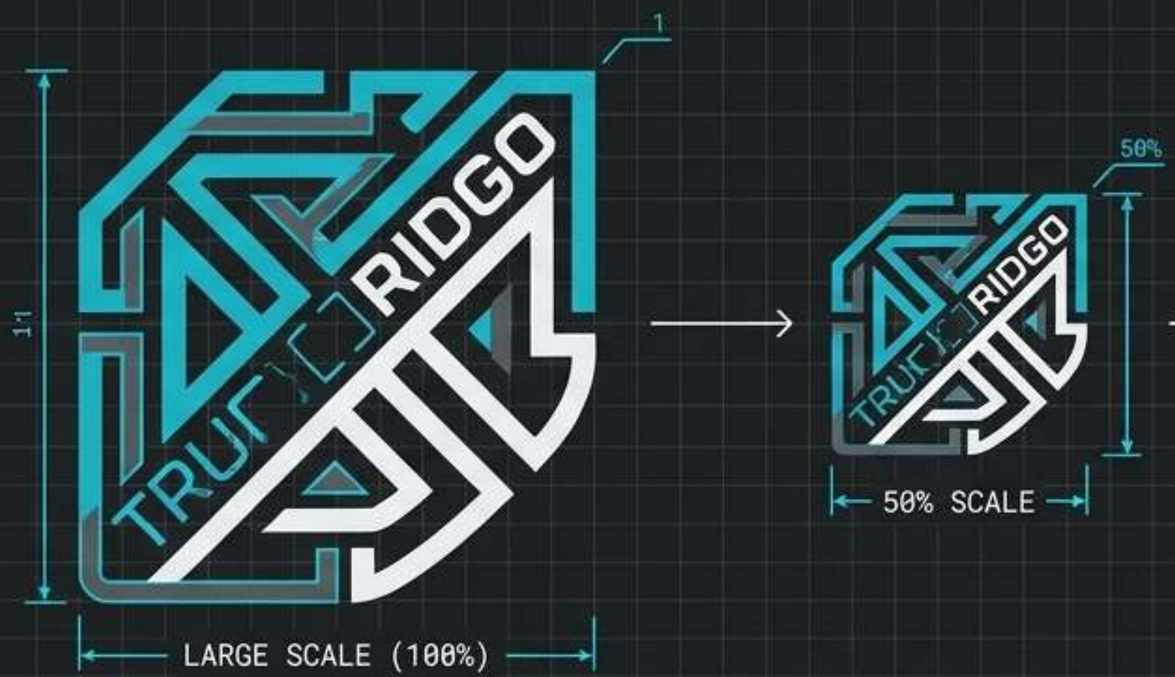
Attachment Position: Clearly plot the integration point between the PVC body and the hardware.



ZIGPAC

The “Shrinking Reality” of Production Sizing

Takeaway: Simplification is required over uniform shrinking.
Secondary details must earn their space.





Letter Spacing.
Enclosed shapes and tight text become unreadable at keychain scale.



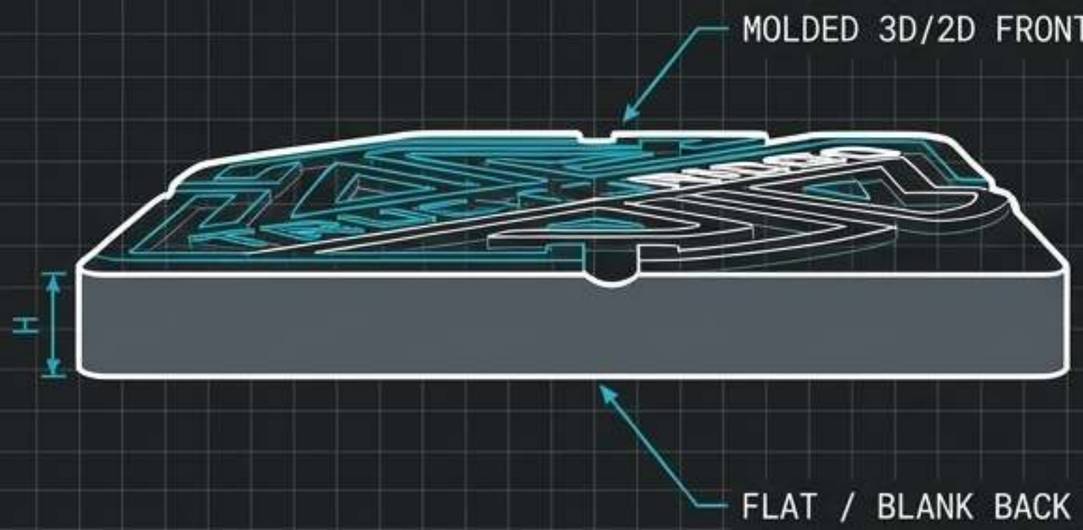
Color Separation.
Narrow color areas compete for space; minimum line width is tooling-dependent.



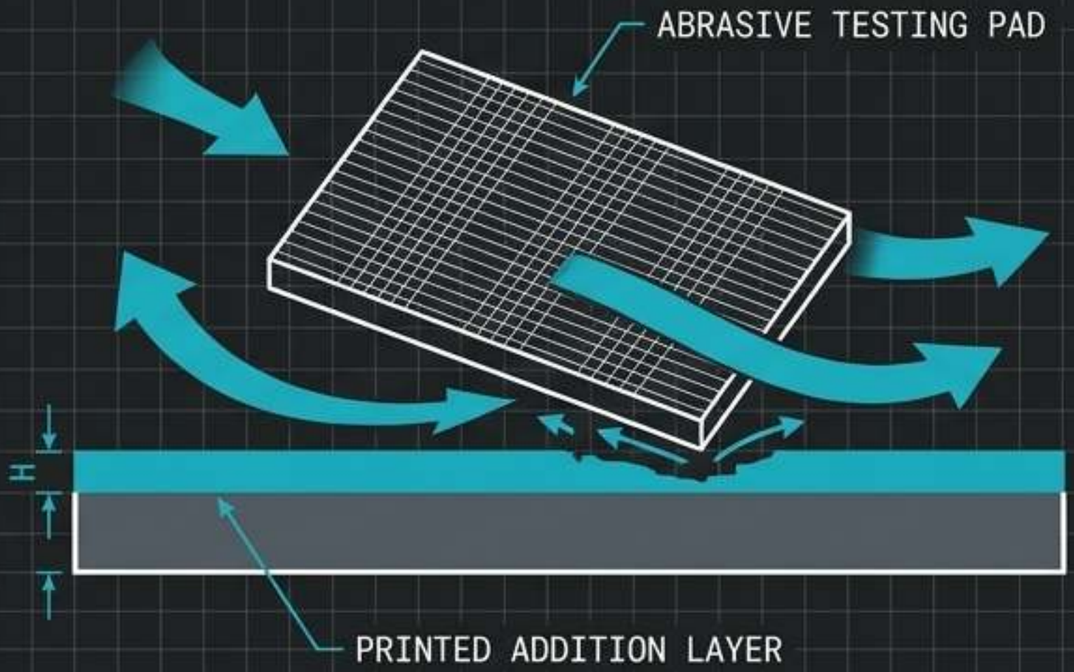
Dimension Verification.
Distinguish the molded body measurements (W x H x Thickness in mm) from the complete assembly (which includes the ring/clasp).

ZIGPAC

DEFINING SURFACE AND REVERSE TREATMENTS



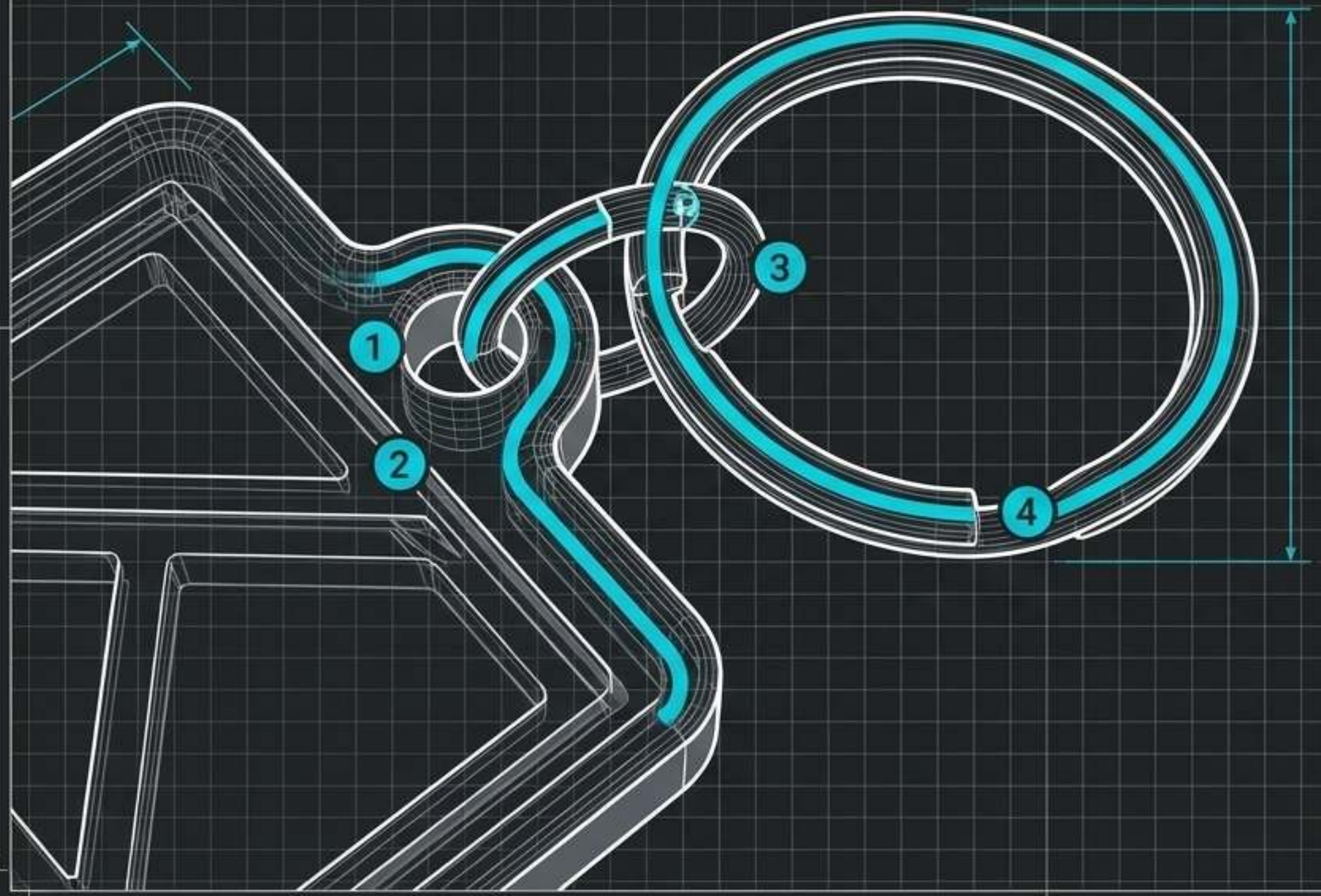
THE REVERSE REALITY: A MOLDED FRONT DOES NOT AUTOMATICALLY INCLUDE A DECORATED BACK. SMALL REVERSE TEXT OR MACHINE-READABLE GRAPHICS (QR CODES) REQUIRE A SEPARATE FEASIBILITY ASSESSMENT TO DETERMINE IF THEY ARE MOLDED OR PRINTED.



APPEARANCE VS. PERFORMANCE: A SMOOTH OR TEXTURED LOOK IS A DESIGN CHOICE, NOT EVIDENCE OF SCRATCH RESISTANCE. PRINTED ADDITIONS INTRODUCE NEW VULNERABILITY ZONES REQUIRING THEIR OWN RUBBING/WEAR CHECKS ON PHYSICAL SAMPLES.

THE COMPLETE CONNECTION PATH

Do not substitute generic terms like 'strong hardware' for agreed inspection methods.



1. Node 1: The PVC Hole.
   Assess precise placement and structural clearance.

2. Node 2: Surrounding PVC Wall.
   A critical failure point. Review material thickness and test for tear resistance.

3. Node 3: The Jump Ring.
   Inspect opening gaps, assembly orientation, and connection security.

4. Node 4: The Split Ring / Clasp.
   Availability must be quoted (split rings, lobster clasps, ball chains). Approve its appearance and opening action as a complete unit.

ZIGPAC

NAVIGATING THE PRODUCTION PIPELINE

DIGITAL PROOFS (LAYOUT/DIMENSIONS)

PHYSICAL SAMPLES (FEEL/COLOR/STRENGTH)

STEP 1: CONFIRM BRIEF & ARTWORK.

Establish intent, quantity, destination, and dimensions.

STEP 2: SAMPLE VALIDATION.

A digital proof establishes layout; only a physical sample can establish actual color, softness, and connection behavior.

STEP 3: WRITTEN RELEASE.

Link production release to the approved physical sample and agreed criteria.

STEP 4: PRODUCTION & INSPECTION.

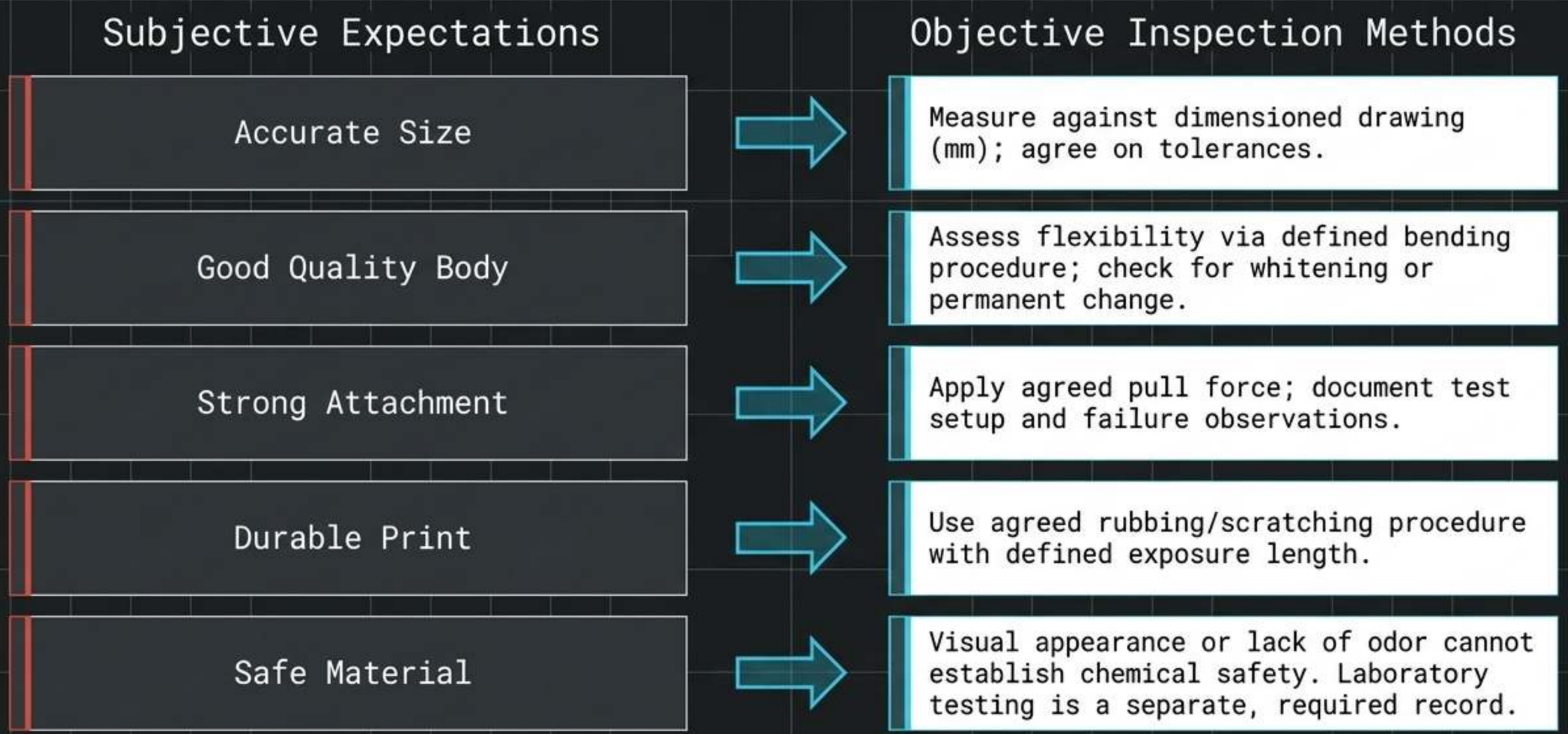
Check packaging, quantities, and agreed QA evidence. Ask what starts the production clock.

STEP 5: TRANSIT & CLEARANCE.

Keep transit and customs clearance visible as separate stages. A production estimate is not an arrival commitment.

ZIGPAC

Defining Quality: Subjective vs. Observable Checks



ZIGPAC

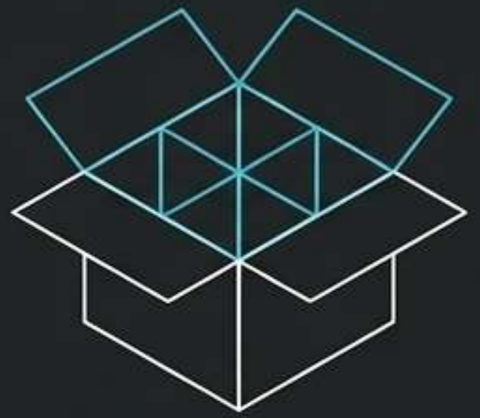
MAPPING SAFETY & COMPLIANCE BOUNDARIES



STRICT DISCLAIMER: NO phthalate-free, non-toxic, skin-safe, child-safe, or biodegradability claims are automatically verified for this SKU. Another supplier's compound report does not establish compliance for your finished keychain.

ZIGPAC

Finalizing Logistics & Lifecycle Variables



Packaging Strategy

Match packing to distribution (bulk handouts vs. individual retail units).

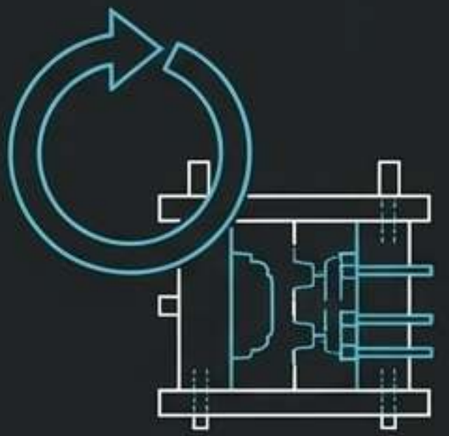
Specify how hardware and surfaces will be protected from each other in transit.



Freight & Timelines

Freight estimates require packed dimensions and gross weight of the assembled product.

Work backward from event dates. Ensure quotes specify if duties/taxes are included.



Repeat Orders

Retain the approved artwork revision, color reference, and assembled sample.

Do not assume permanent mold storage; ask for retention and reuse terms before authorizing reorders.

ZIGPAC

SYNTHESIS: THE REVIEWABLE PURCHASING BRIEF

Connect every buying decision to a reviewable physical or written artifact.

✓	**IDENTITY CHECK:** Project-specific quotation matched precisely to ZPCK0004 (2D Molded Soft PVC).	
✓	**DESIGN ARTIFACTS:** Separated vector artwork, dimensioned drawing (mm), and requested hardware path.	
✓	**VALIDATION ARTIFACTS:** Approved physical sample establishing assembled feel, color, and fit.	
✓	**QUALITY CRITERIA:** Written acceptance limits replacing subjective expectations (e.g., agreed pull force).	
✓	**LOGISTICS BASELINE:** Target arrival date, mapped destination compliance, and requested packaging format.	

CLOSING RULE: LEAVE NO CRITICAL DESIGN TO ASSUMPTION.

ZIGPAC

A design can look convincing on a screen yet disappoint when delivered. The practical solution is to connect every buying decision to something reviewable.