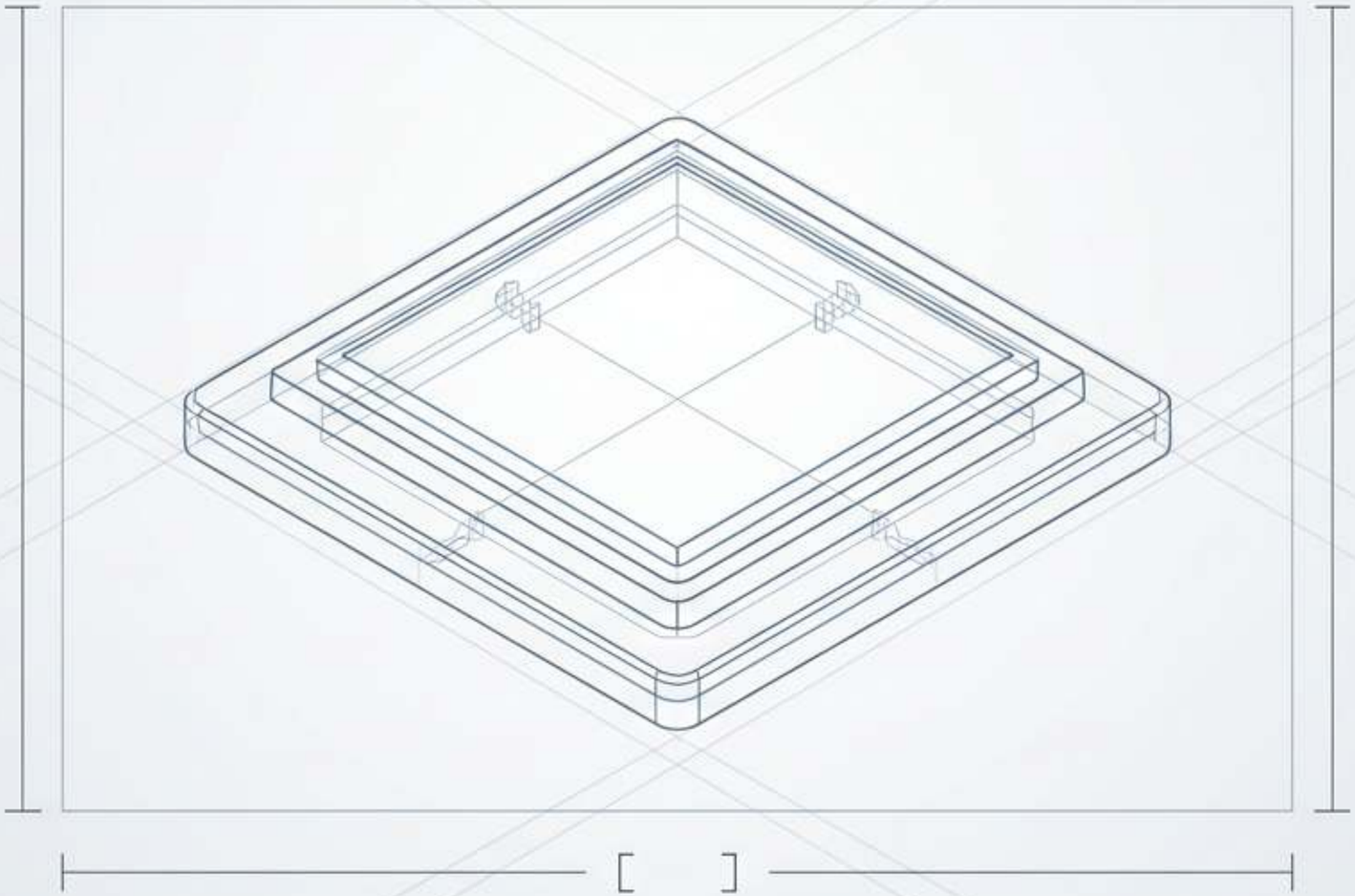
The Blueprint for Custom Molded Soft PVC Magnets

A buyer’s guide to specifying artwork, materials, and sampling for SKU ZPCM0009.

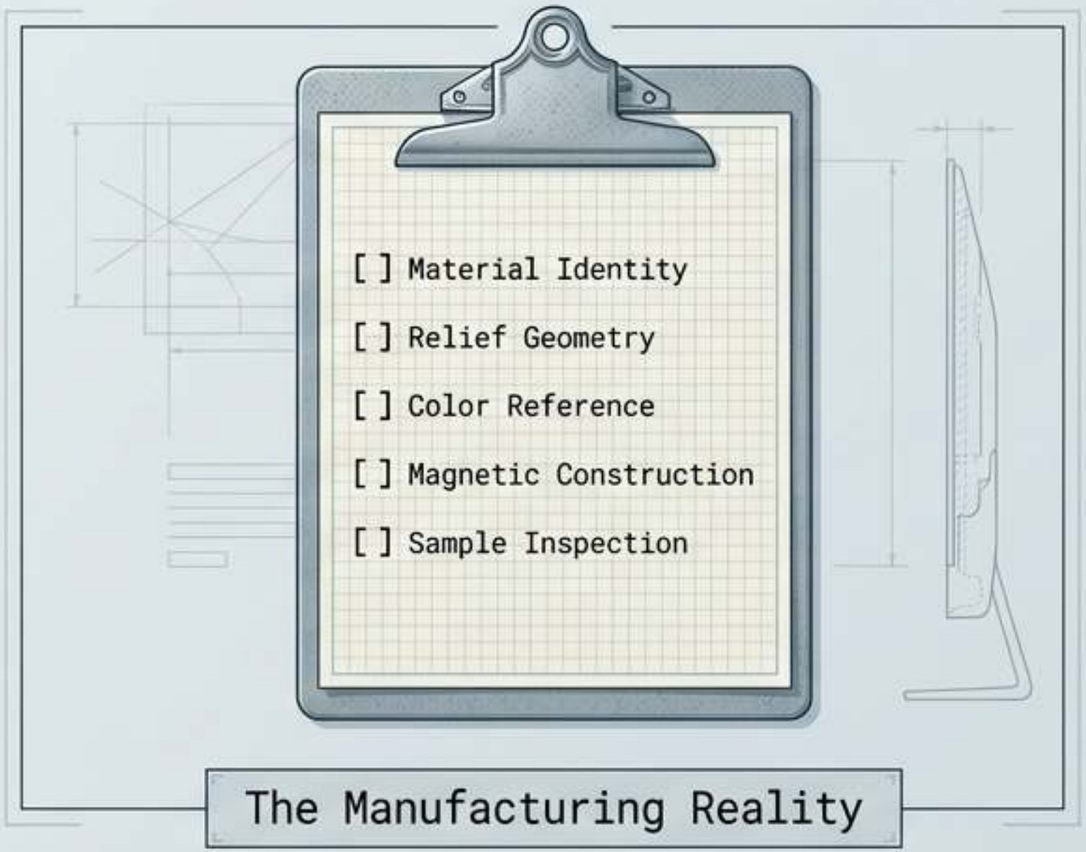


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An attractive rendering is not a purchasing specification



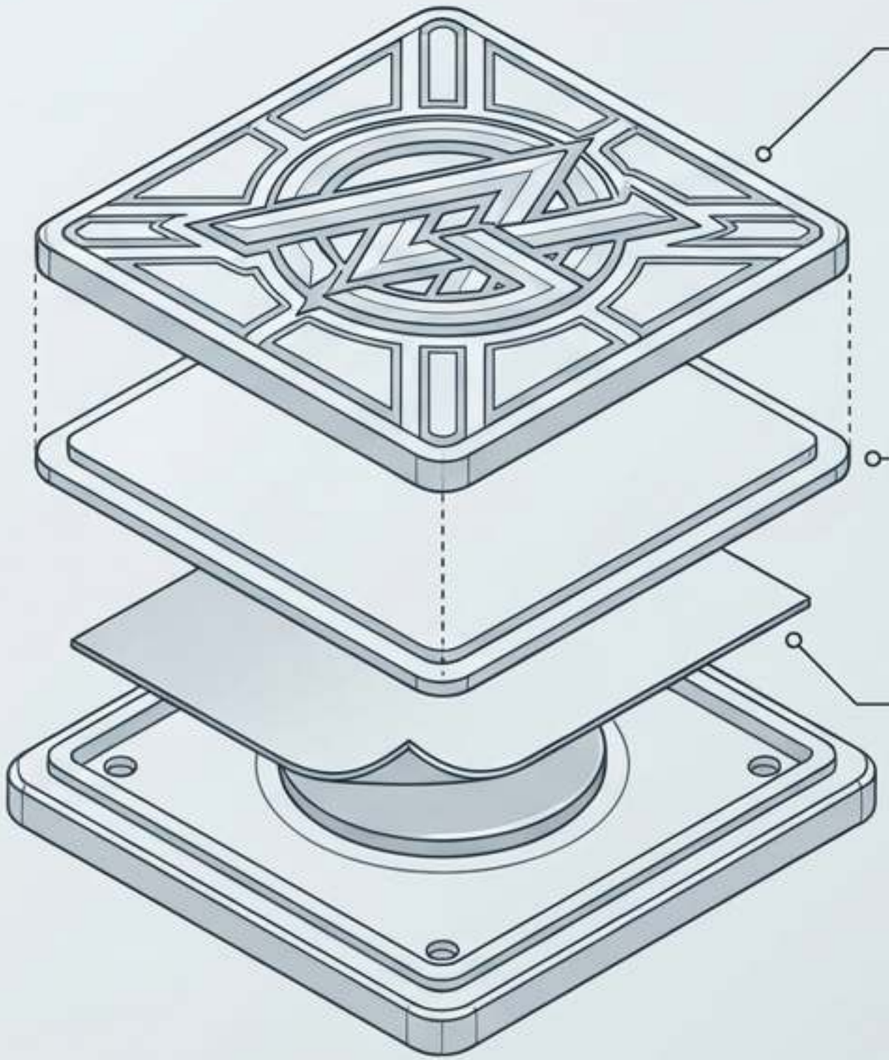
The Digital Expectation



The Manufacturing Reality

A digital proof can resolve layout, but it cannot establish whether lettering stays readable, the 3D relief matches expectations, or the backing suits the intended refrigerator. Discovering these differences after mass production results in rejected stock and missed product launches.

Deconstructing the physical product



Layer 1: The Decorative Body

Molded soft PVC. This dictates the shape, raised details, and visual identity.

(Callout: Do not relabel as silicone, natural rubber, or a magnetic compound.)

Layer 2: The Assembly Interface

Where the PVC bonds to the backing.

Layer 3: The Magnetic Construction

The functional attachment. Can be a flexible magnetic sheet or an embedded hard magnet.

(Callout: Availability and attachment method require project-specific confirmation.)

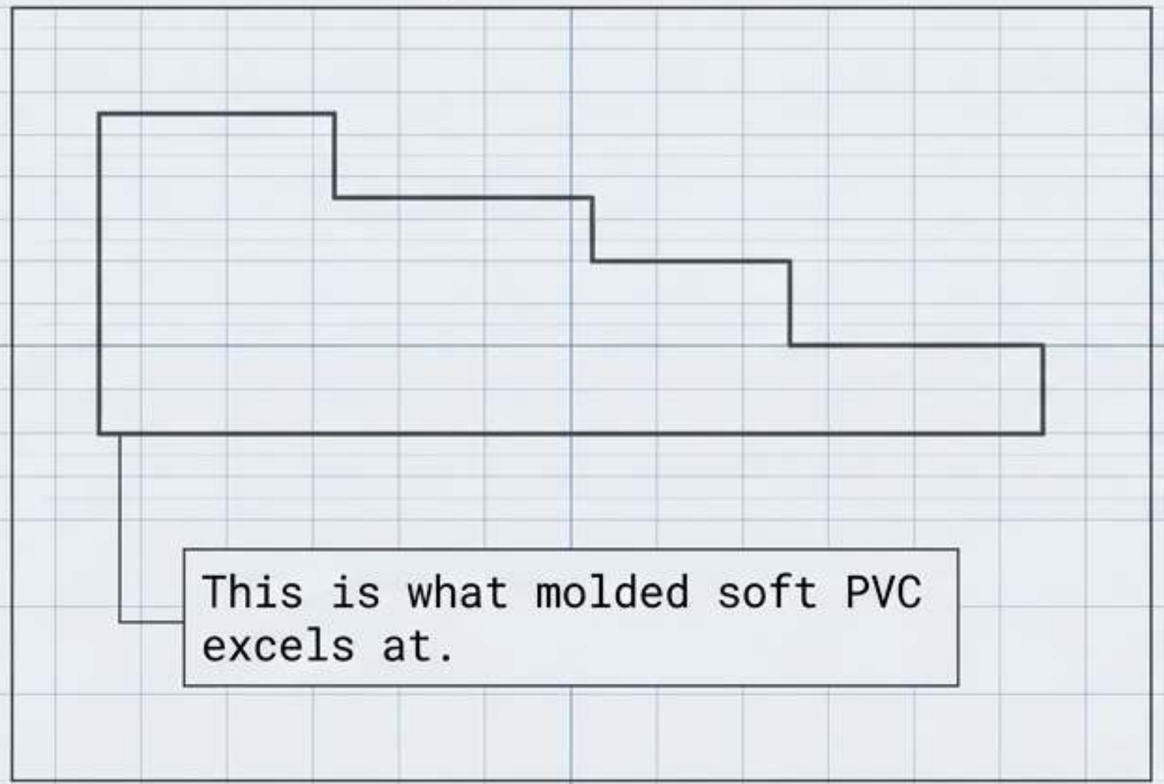
When is molded soft PVC the right choice?

MATERIAL	BEST APPLICATION	TRADE-OFFS TO RESOLVE
Molded Soft PVC	Raised logos, character outlines, landmark designs	Requires tooling, small-detail reproduction limits, backing selection
Printed Flexible Magnet	Photographs, contact info, detailed graphics	No sculpted relief; requires print protection assessment
Silicone Molded Magnet	Strictly requires silicone over PVC	Must verify actual material identity; do not inherit PVC specs
Resin / Domed Magnet	Glossy presentation or miniature styles	Weight, breakage exposure, attachment challenges
Metal Magnet	Commemorative appearance	Weight, finish, total delivered cost

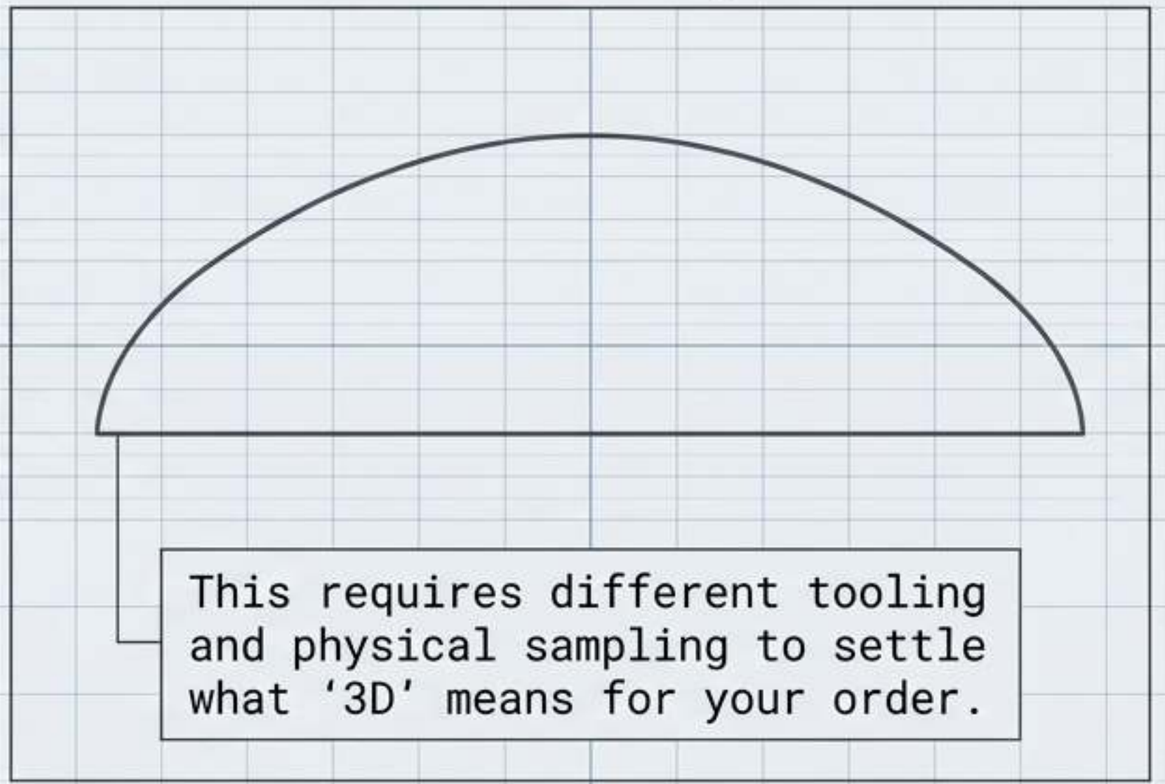
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Defining the geometry: Layered relief versus rounded sculpture

Layered Relief



Rounded Sculpture



Always specify the decorative profile separately from the backing, and never assume ‘3D’ means a fully rounded miniature without an approved side-view drawing.

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Preparing artwork for the molding reality



Separate Color Areas: Molded PVC requires distinct color blocks, not photographic gradients.

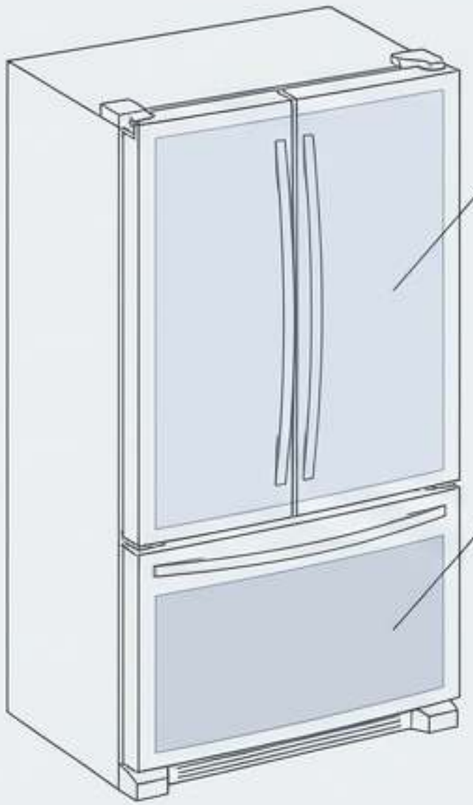
Check Small Features: Fine lettering, narrow gaps, and small islands of color will shrink or merge.

Readable vs. Scannable: Do not assume a QR code or dense text legible on a monitor will remain scannable on a textured, finished-size surface.

Physical References: Identify target colors and agree on the physical color reference used for approval.

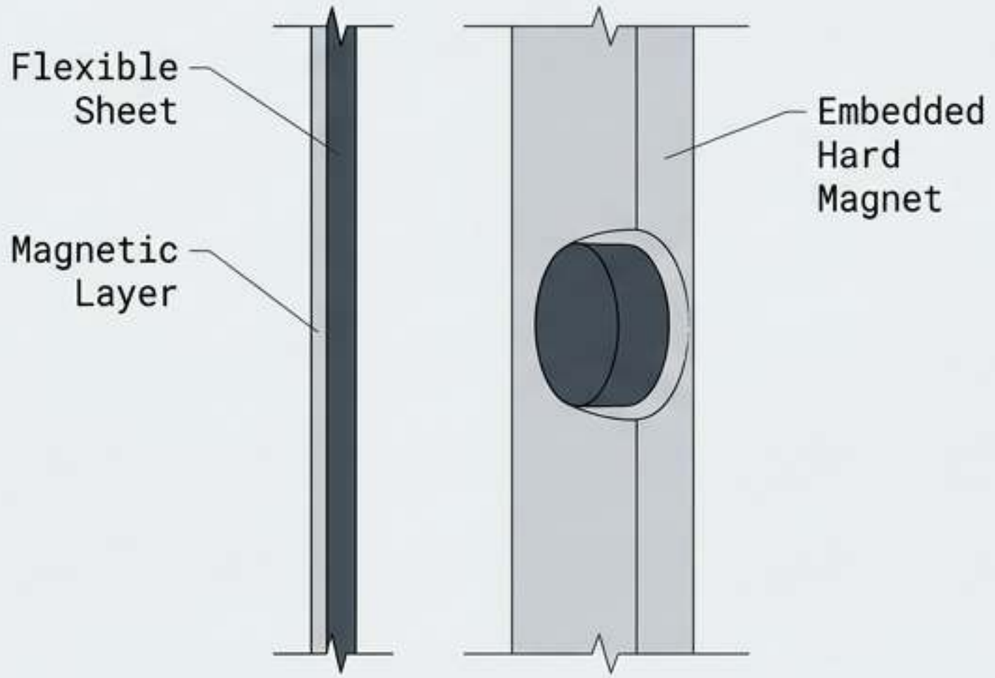
Assessing surfaces and selecting the backing

The Surface



Takeaway: “Scratch-free” claims are never universal.

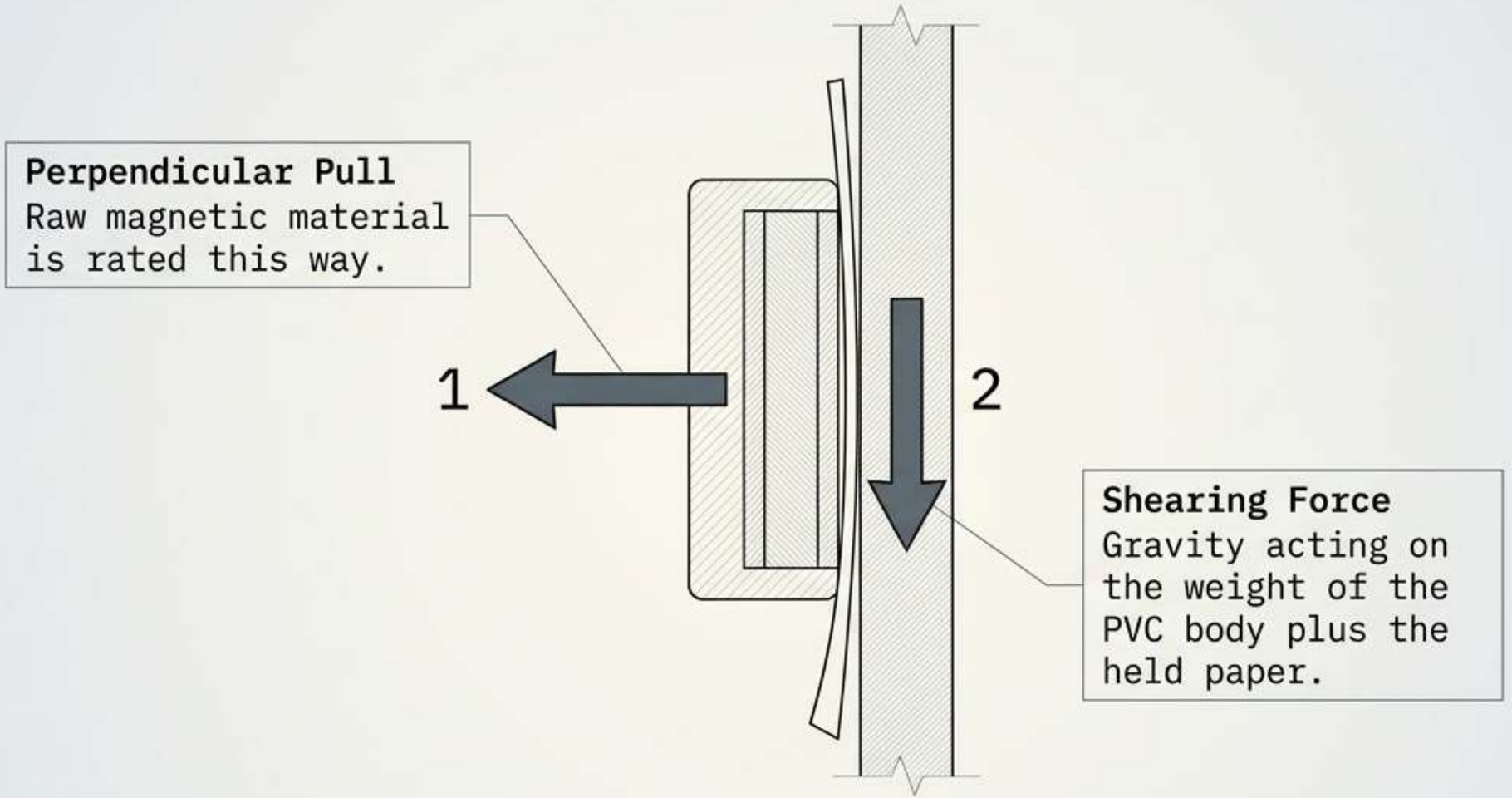
The Backing



Takeaway: An embedded hard magnet isn’t automatically better—its retention, exposed contact area, and potential for detachment require separate assessment.

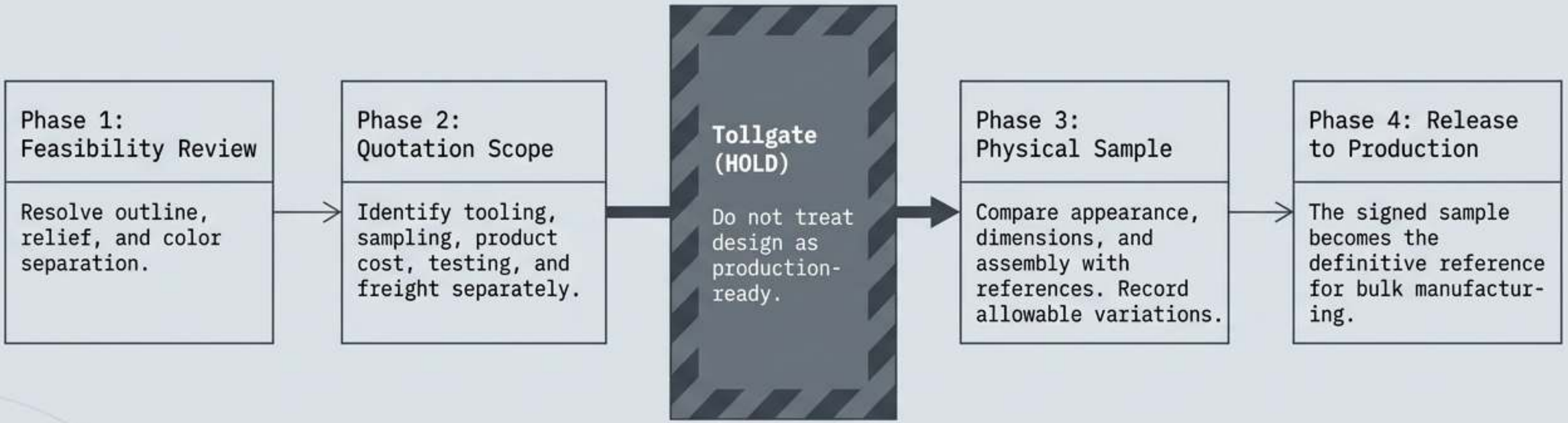
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The physics of holding performance



A raw component's perpendicular pull rating cannot establish how many sheets the finished magnet will retain on a vertical, coated refrigerator door. Performance demands physical validation on the actual permitted surface.

The pre-production tollgate sequence



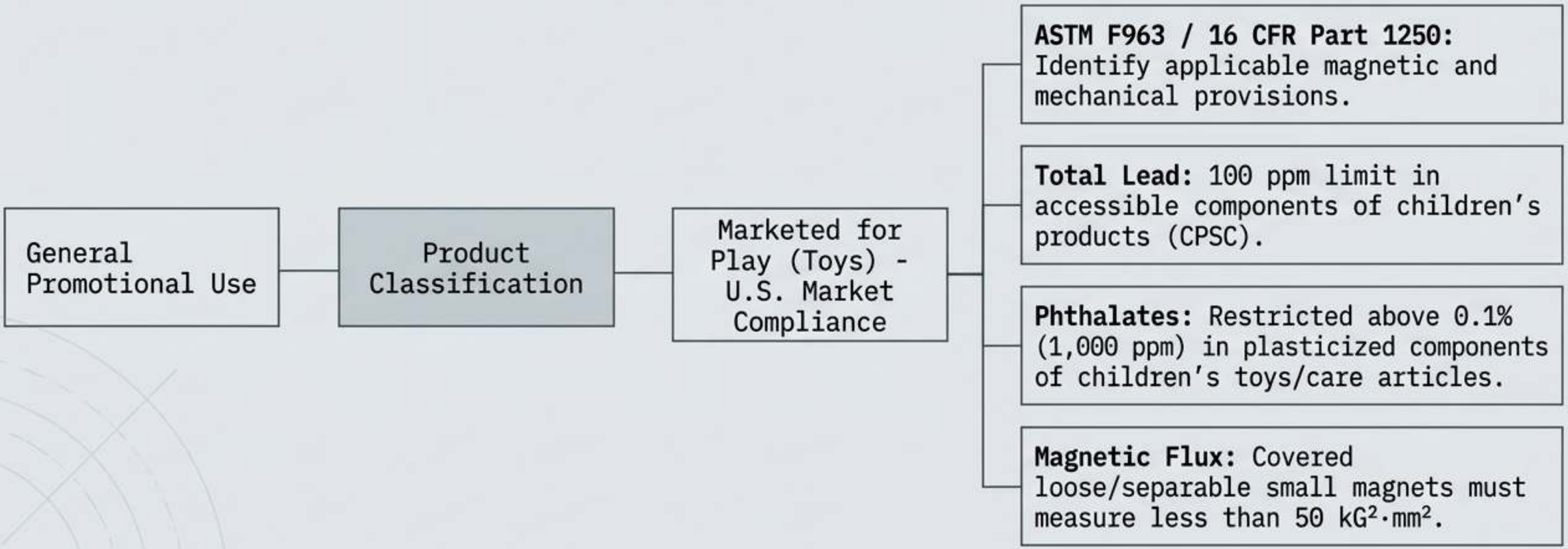
Structuring the bulk inspection

Inspection Area	Suggested Check	Required Evidence
Dimensions & Relief	Measure agreed points; compare side profile with approved sample.	Measurements in mm, drawing revision.
Color & Readability	Compare physical references; read critical text at finished size.	Reference identity.
Assembly	Inspect edges, glue residue, backing lift, gaps, loose components.	Defect photos, retention checks.
Magnetic Use	Test on intended surface with actual proposed load.	Observed slipping or detachment.

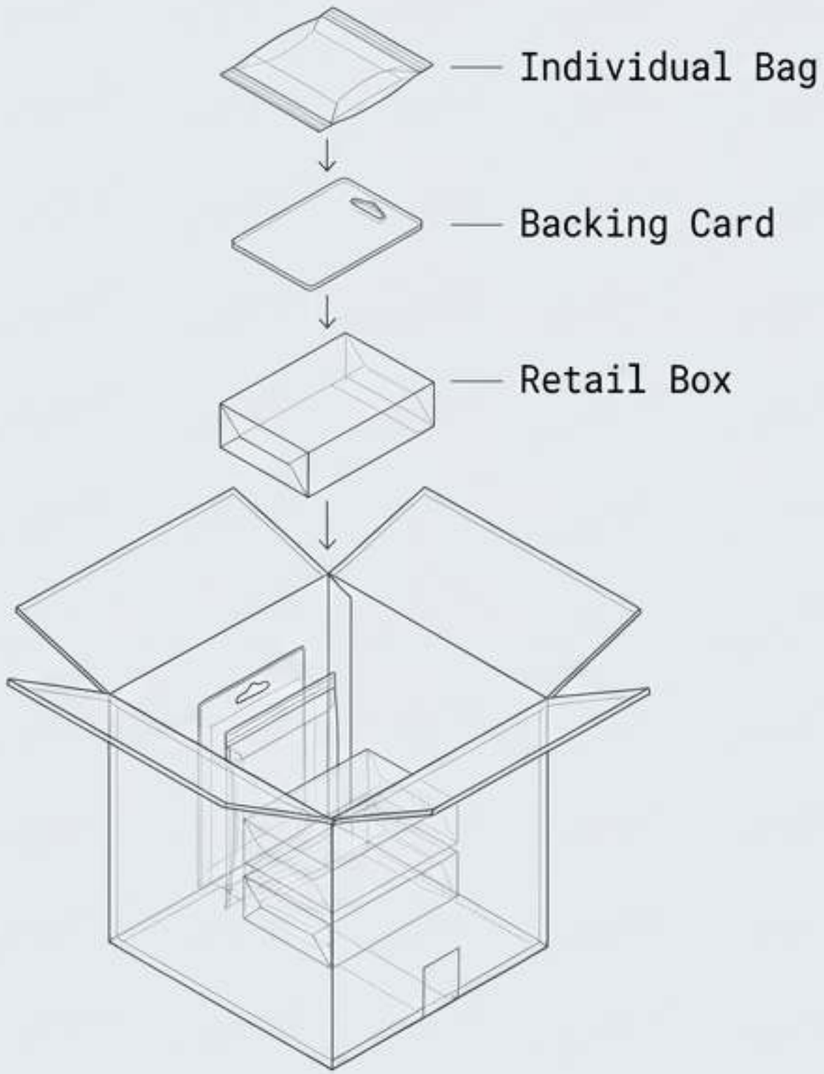
Keep care conservative. Avoid unapproved heat/prolonged exposure. No unsupported ‘dishwasher-safe’ or ‘outdoor-rated’ claims.

Defining safety documentation boundaries

A soft body or souvenir label does not establish safety. Classify the product before sampling.



Commercial variables: Packaging and reordering



Packaging Variables:

Choose packaging for the distribution task (souvenir shop vs. bulk promo). Review packed samples for pressure on raised features and rubbing between pieces. Carton fit depends on physical dimensions, not generic carton-capacity claims.

Quotation Variables:

Compare quotes on the exact same basis (tooling, sampling, backing, packaging, freight).

Repeat Order Warning:

Retain the approved artwork and sample. Verify tooling retention and reuse conditions before assuming setup costs are waived.

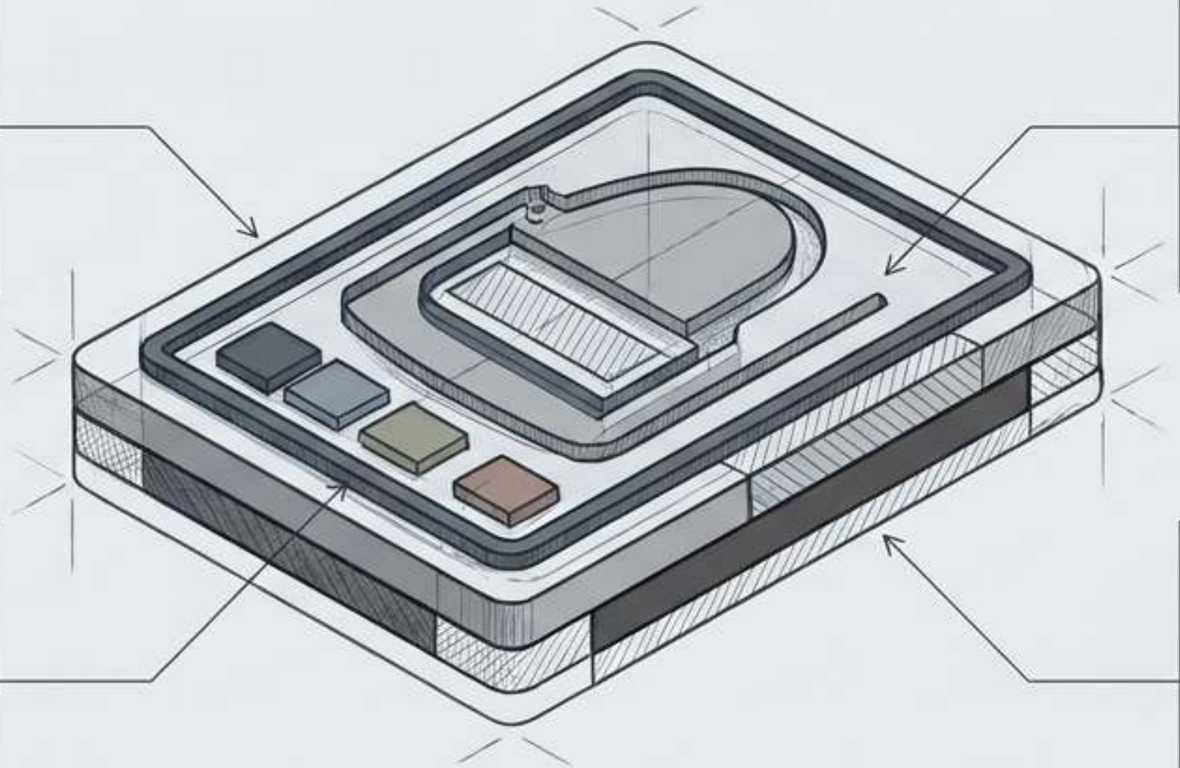
Synthesis: The anatomy of an approved sample

1. Material Identity Confirmed:

Formulation verified; not swapped for cheaper compounds.

2. Relief & Geometry Approved:

Side-profile flat-tops and recessed lines match expectations.



3. Color & Readability Validated:

Physical color blocks matched; text legible at actual size.

4. Backing & Performance Tested:

Assembly secure; shear-force tested on permitted surface.

A digital proof resolves layout.
Only a physical sample resolves performance.

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The Perfect Purchasing Brief for ZPCM0009

[1] Artwork & Dimensions: Source file, finished mm dimensions, identified raised/recessed areas.

[2] Color References: Physical reference targets identified.

[3] Intended Surface: Permitted display surface defined (e.g., standard stainless).

[4] Performance Load: Required note-holding capacity identified for sample testing.

[5] Market & Audience: Destination market specified; toy status explicitly declared or denied.

[6] Packaging: Presentation format and handling protection defined.

[7] Delivery Plan: Required delivery date with separated sample/production timelines.

Connect your visual idea to the finished item without promising untested performance. Request a project-specific quote based on this brief.

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