

Fiberglass Tooling

ATTRIBUTES



LIGHT
WEIGHT



LOW
COST



RAPID
PRODUCTION



TEMPERATURE
RESISTANCE



SNAPSHOT:

Life: Up to 500+ production parts

Prices Beginning at: \$1000

AT A GLANCE:

As a second attractive option for creating large parts, FRP molds are created by applying a surface gel coat, dry glass and stabilizing fabric around the surface of a pattern or existing part to produce a mirrored cavity. FRP method's simplicity allow us to offer optimal solutions for rapid product development or express tooling construction at an affordable cost while maintaining the highest level of quality.

PERFECT FOR:

Chopped Fiberglass, Composites, Flexible & Rigid Foam, Resins, Rigid Patterns & Urethanes

NOTABLE CUSTOMERS:

American Standard, Roush Industries, Universal Studios

Creative Strategy

SIZE & COMPLEXITY

- Maximum 14' x 14'. Standard molds are single cavity.
- Considerations: charge port location, hardware, parting lines and substrates.

MOLDED MATERIALS

- Composites, Concrete, Epoxy, Foams, FRP, Polyester, Silicone, Urethanes, Vinyl Ester

COLOR CHART: *view online at www.rsalberts.com*

DRAFT

Amount of taper for molded or cast parts perpendicular to the parting line. An angle is incorporated into a wall of a mold so that the opening of the cavity is wider than its base. Draft angles allow for easier ejection of the part from the mold.

- 1° draft required minimum

SURFACE FINISH

Dents or markings distort the plane of a surface, causing light to reflect in a way that our eyes instantly identify as an inconsistency. Added texture aids in concealing blemishes and creates a friction factor on the surface of finished parts providing anti-slip qualities.

- Ranging from smooth to heavy pebble
- Custom surface finish available at additional cost

TOLERANCES

Allowable variation for any given size in order to achieve proper function when considering the design intent. As with all molded products, part material's shrink value should be considered when building your pattern and mold.

- $\pm .030$ "



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