



SNAPSHOT:

Preferred Volume: 1 to 250 units

Prices Beginning at: \$30

Single Tool Production: 1-2 parts per day

AT A GLANCE:

An open mold process, parts are produced using one molded half resulting in a resin rich laminate with a trimmed edge. The molded half receives pigmented gel coat to achieve the customer desired color, followed by an application of resin and either hand laid or chopped fibers. This process offers one finished part with one molded side.

PERFECT FOR:

Amusement Ride Vehicle Seating, Storage Vessels, Themed Props

NOTABLE CUSTOMERS:

Hersheypark, S&S Sansei, Skyline Attractions

Open Molded Fiberglass

ATTRIBUTES



CHEMICAL RESISTANCE



DESIGN VERSATILITY



LONG LIFE EXPECTANCY



LOW COST

Creative Strategy

SIZE & COMPLEXITY

- Maximum 14' x 14'
- Considerations: hardware, parting lines and substrates

MATERIALS

- Color matched gel coat and chopped fiber or hand rolled fiberglass mat
- Considerations: tensile, flexural, compression strength, corrosion resistance and service temperature

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

DRAFT

Draft is the 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.

- Smooth Texture: 0° draft acceptable in some cases
- Smooth Texture: 1° draft preferred minimum
- Light Texture: 2° draft preferred minimum
- Heavy Texture: 3° draft preferred minimum

WALL THICKNESS AND RADIUS

- Minimum .0625"
- Maximum .500"
- Preferred minimum corner radius .250"

SURFACE FINISH

With an open mold process, the tool side can capture a smooth, polished surface finish with the non-tool side having a rough or unfinished surface. Non-tool side can be gel coated splattered or painted.

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.

- Tool side $\pm .010$ "
- Non-tool side $\pm .060$ "



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