DESCRIPTION
In many uses of liquid resins, it is desirable to reduce the weight of the finished product. One way to reduce the weight below the original resin weight is to incorporate a suitable additive. Hollow phenolic microspheres are excellent for use in a variety of industrial applications. They are lightweight, chemically inert, and mechanically strong. They can be used in adhesives, gap filling formulations, sandable putties, syntactic foams, and molded and laminated structures that must be lightweight and strong. About 30% by weight will make most resins unpourable. Filled casting are quite machinable; turns casting brown.

CHARACTERISTICS
Composition: Phenolic resin (Phenol formaldehyde resin)
Size Range: ~5-127µm
Appearance and Odor: Red brown powder, odorless
Solubility: Insoluble in water

Nominal Reference Values
Bulk Density: 0.104 g/cm³, max; 6.5 lb/ft³, max
Relative Density: 0.20-0.80 g/cm³
Average Hydrostatic Compressive Strength: 350psi
Tg, Glass Transition Temperature: 200-220°C

REFERENCES

STORAGE
Store at 25°C.

This product is for research use only and is not intended for use in humans or for in vitro diagnostic use.

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Cat. #</th>
<th>Description</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>17806-500</td>
<td>Phenolic Beads, Hollow</td>
<td>100g</td>
</tr>
</tbody>
</table>