

# SILICONES and more



## Filler glass bubbles

With this filler you get a lighter cast and consume less resin.

### description

Glass beads are very small perls of glass. The beads are so small that they can not be distinguish with the naked eye. The material looks like flour.

The beads are normally used in casting materials to make them lighter and to safe the more expensive resin or silicone.

Glass beads can be used with silicone rubber, polyurethane, Acrylic One, gypsum, and other resins..

### Processing

Glass beads are lighter mainly used in casting materials for lowering the density.

Mixed silicone rubber with glass beads, for example, are suitable for the manufacturing of flexible fish bait. The addition of glass beads also increases the hardness of the silicone. The tensile strength will lower however. The recommended amount of pearls to add is no more than 12% of the mass of the A component. for example: 350 grams silicone C 20 A + 5 grams of silicone C 20 B + 30 grams of glass beads.

The PU resin D80 mixed with glass beads is suitable for the manufacturing of lightweight castings that will even float on water!

We usually recommend no more than 25% (mass) glass beads to be added to the resin. The exact amount of course depends on the used material and the desired results. for example: 80 grams PU resin D 80 A component + 80 grams PU resin D 80 B component + 40 grams of glass beads.

Please note: We recommend a maximum of 25% (wt) glass beads to be added to the two components. When you add half to the A component and the other half to the B component, it is easier to mix the material.

### Special\_instructions

The dry umixed density of the beads is between 0.12- 0.20 g / cm<sup>3</sup>. That means 250 grams of pearls has a volume of about about 1.25 to 2 liters.

Please note: The thermal conductivity of glass is very low. please keep this in mind when using highly exothermic resins.

The strength of the PU casting is unfortunately less if you add glass beads. The cast is will become more crumbly.

### Packaging

In bags of 250 grams.

### Shelflife

If stored on a dry location this filler has an indefinite shelf life.

## Characteristics

- Extend the working time
- Pour thicker layers
- Produces a lighter cast