# Technical Data Sheet

GT-6265 Ultra Soft Silicone

GT Products© 6265 is an addition cure system that is very easy to use and can be used for many applications. GT-6265 when properly mixed and cured will have the feel of human skin. The translucent color will also make this silicone easy to pigment. The low viscosity makes GT-6265 easily mixed and de-aired. GT-6265 also has a quick de-mold time of approximately one hour at room temperature.

GT-6265 Features

| | |
|---|---|
| Low Durometer | Minimal shrinkage |
| Fast Setting | Low Viscosity |

GT Products© 6265 is supplied in matched kits with Catalyst 6265 designed to be used in a 1:1 ratio by weight.

**Typical Properties**

| | **Base** | **Catalyst** |
|---|---|---|
| Color | Translucent | Translucent |
| Viscosity | 1800 | 1400 |
| Pot Life (Pour Time) | 5 —10 Minutes | |
| **After Cure (24 hours @ 25°C)** | | |
| Durometer | 70 —75 Sponge Rubber | |
| Linear Shrinkage; % | nil | |
| **Useful Temperature Range °C (°F)** | **-60 — 232 (-75 — 450)** | |

**Applications:**

| | | |
|---|---|---|
| Hobby and art projects | Silicone Print Pads | Model Making |
| Rapid Prototyping | Special Effects | Rotational Casting |
| Inventing | Rollers | |

**MIXING**

Because pigments can settle during storage, Catalyst 6265 should be thoroughly stirred before mixing. Use separate tools for mixing the base and catalyst to avoid cross contamination. Accurate weighing is essential to obtain maximum physical properties from the cured silicone. Add the catalyst to the base and mix until the color is uniform. Low-shear mixing of the mixture is recommended. Use clean tools and scrape the bottom and sides of the container to assure a homogeneous mixture. Avoid stirring in an excessive amount of air.

**DEGASSING**

Air entrapped during mixing should be removed to prevent voids in the cured product. Deair the mixed material under a vacuum of 25 mm (29 inches) of mercury. The mixture will froth and, expand four times its volume, crest and recede to about the original level as the bubbles break. Degassing is usually complete about two minutes after frothing subsides.

**CURING**

GT Products© 6265 will cure sufficiently in 16 hours at room temperature (72°F) to be handled. GT 6265 will reach 90% of ultimate cure in 24 hours at room temperature. For full cure an additional 1-2 days at room temperature is required.

**STORAGE and HANDLING**

GT Products© 6265 will remain useful for six months when stored in the original unopened containers at temperatures below 80°F (27°C).

**Accessories:**

GT-5985 Primer for adhesion to metals and other substrates

GT Products Silicone Pigments



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