



# CLEARSiL™ (FIRM)

## Transparent Firm RTV Silicone Rubber for Mould Making



ClearSil™ (Firm) transparent silicone rubber is a high quality silicone rubber ideal for creating moulds that require high clarity, firmness and stability. Moulds made with transparent silicone rubber are great for resin castings that require accurate colouring or if you require clarity when embedding objects in your casts. For bubble-free clarity, it requires degassing (in a vacuum chamber or pressure pot). It is non-toxic, food-grade, skin-safe and safe to use indoors. Cures at room temperature.

### Key Advantages

- High transparent clarity
- Long working time
- Firm and sturdy
- High heat resistance
- Non-toxic (Food-grade & skin-safe)
- Safe for home use

### Recommended for making moulds of

- Objects with a flat / large base such as coasters, trays
- Jewellery pendants

Colour	Transparent
Mix Ratio (Part A : Part B)	By weight - 10:1
Mixed Viscosity	29,000 - 31,000 mPa.s
Working Time	40 - 50 mins
Curing Time* (at 25°C)	4 - 5 hours
Hardness	Shore 40A

\*Heat will shorten the curing time of the silicone rubber

Note: The silicone rubber may not cure if there are contaminants on the surface of the master. As ClearSil™ is a platinum (addition-cure) silicone rubber, contact with some materials such as sulphur-based clay, tin-cured silicone rubber, latex rubber, paint products and certain 3D-printed plastic, may also inhibit its curing process. Uncured rubber can be difficult to remove from your masters and may stain them. Hence, we recommend performing a small test on your master before making your actual mould.

**SHELF LIFE:** The silicone rubber has a shelf life of 1 year when stored under dry and cool conditions in sealed packaging.

**SAFETY:** Although the silicone rubber is non-toxic, it is still a chemical and you are advised to follow product usage instructions and wear personal protective equipment. For more information on safety, please refer to the SDS available at resinplay.sg.

**NOTICE:** The technical specifications and information is given in good faith and based on our test results obtained but without warranty. The information may differ when the silicone rubber is used in different environments, if pigments are added, or due to the material of the master or any external-related factors. The application, use and processing of the products are beyond our control and Resin Play in respect of any sale of its products shall be determined by the terms of its conditions of sale.

