

PRO-SIL1000

MOLD MAKING SILICONE RTV RUBBER

Pro-Sil 1000 is a room temperature curing silicone rubber compound designed for the production of flexible molds.

Pro-Sil 1000 features:

White / Low viscosity / High tear strength
Low durometer / Resistance to sulfur clays



PRODUCT

Pint Kit28031307
Quart Kit.....28031308
Gallon Kit.....28031310
5 Gallon Kit.....28031313

Pro-Sil 1000 is supplied in matched kits with Pro-Sil 1000 Catalyst designed to be used in a 10:1 ratio by weight.

MIXING

Because pigments can settle during storage, Catalyst should be thoroughly stirred before mixing. Use separate tools for mixing the base and catalyst to avoid cross contamination. Low-shear mixing of the mixture is recommended. Add the catalyst to the base and mix until the color is uniform. 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.

TYPICAL PROPERTIES

	Base	Catalyst
Color:	White	Purple
Specific Gravity:	1.12	0.98
Viscosity (cPs):	70,000	100
Mixed Viscosity:	31000	
Pot Life (pour time):	60-90 min.	
After cure (7 days @ 25°C)		
Tensile, psi:	600	
Elongation, %:	500	
Durometer, Shore A:	20	
Tear (die B) minimum:	150	
Linear shrinkage:%:	0.3-0.4	
Specific Gravity:	1.1	



DEGASSING

Air entrapped during mixing should be removed to prevent voids in the cured product. Degas 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

Pro-Sil 1000 will cure sufficiently in 16 hours at room temperature (72°F) to be handled. Pro-Sil 1000 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

Pro-Sil 1000 will remain useful for six months when stored in the original unopened containers at temperatures below 80°F (27°C). Both Pro-Sil 1000 and Pro-Sil 1000 Catalyst are sensitive to moisture. Keep containers covered.

COMPATIBILITY

Pro-Sil 1000 is a condensation ("Tin catalyst") cure system. It will cure in contact with most clean dry surfaces. Pro-Sil 1000 will cure in contact with materials such as butyl and chlorinated rubbers, sulfur-containing materials, amines and other condensation RTV silicones which would inhibit the cure of addition-cure RTV rubber.

NOTE

The above information is based on typical experience and should not be used for specification writing. Suitability of this product for a specific application should be determined under actual use conditions. No warranty, either expressed or implied, is hereby made.

Potential Health Effects:

Ingestion: Very low toxicity expected. A likely laxative.

Skin Contact: None expected.

Inhalation: None expected due to very low vapor pressure.

Eye Contact: May irritate.

FIRST AID MEASURES

Ingestion: Seek medical attention if adverse symptoms noted.

Skin: Remove with dry towel, then wash with soap and water.

Eyes: Rinse 15 minutes with running water. Seek medical attention if irritation persists.

Inhalation: Seek fresh air if needed.

Other: Not applicable.

For more complete information refer to MSDS (Material Safety Data Sheets) at www.fiberlay.com or call (206) 782-0660