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Set-Sil 8157 Silicone Gel

Set-Sil 8157 is an extremely soft, non-tacky, resilient silicone rubber gel. It is a two component, addition cure material that is sensitive to cure inhibition when in contact with sulfur, nitrogen or organo-tin containing materials. It can be used in conjunction with platinum cured special effect silicones to produce a realistic simulation of living tissue. It is a colorless, clear gel that can be colored by the use of silicone dispersed pigments. **Set-Sil 8157** also has a low viscosity that allows for easy mixing, deairing, and pouring. This combination of properties makes **Set-Sil 8157** well suited for the special effects and movie making industries.

MIXING INSTRUCTIONS

Mix 10 parts by weight of **Set-Sil 8157** base with 1 part by weight of **Set-Sil 8157** activator in a container that will hold about three times the volume of the rubber being mixed. Stir thoroughly either by hand or by mechanical means, taking care to scrape the sides and bottom of the container. Since both base and activator are colorless, care must be taken to insure that they are completely blended before deaeration. Immediately after mixing, place the container in a vacuum chamber capable of 28 inches of mercury vacuum. The rubber will expand to triple its original volume as it is being deaired. After the rubber collapses, maintain the vacuum for an additional two minutes and release. Carefully pour the catalyzed silicone rubber gel into the mold cavity. Be sure to properly seal anything that may cause inhibition.

TYPICAL PROPERTIES

Color, base	Clear
Color, activator	Clear
Base viscosity (cps)	10,000
Activator viscosity (cps)	1,000
Working Time (hrs)	2 to 4
Cure Time (hrs)	18 to 24
Specific Gravity, cured rubber	1.01
Penetrometer Measurement (mm)	
1 day	200 - 225
7 days	100- 125
Shrinkage (%)	0.1
Shelf Life (uncured material)	3

SEE BACK OF TECHNICAL DATA SHEET FOR WARRANTY.

Warranty

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