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Set-Sil 70000

High Strength Silicone Rubber Molding Material

Set-Sil 70000 is a high tear, high tensile strength RTV rubber. It has exceptional resistance to cracking and flexing required for complex part removal. This material has low shrinkage, excellent chemical resistance and low compression set. *Set-Sil 70000* is used in the electronic and prototype industries. Set-Sil is a two part system the uses two different activator systems, a standard and fast cure activator for quick removal of parts.

Typical Properties

Viscosity, cps	70,000
Specific gravity	1.09
Work, time standard curing system (Green)	1-3 hours
Work time Fast Curing system @ 23C	15- 20 minutes
Tack free time @ RT (23C) 70,000 UFC	40-45 minutes varies with amount used)
Cure Time, Hrs	24
Hardness, Shore A	28
Tensile Strength, psi	525
Dielectric Strength, volt/mil	500
Elongation, %	300
Die B Tear, lbs/in	110
Shrinkage, %	.1

Instruction for use:

Add 10 parts A to 1 part B by weight. Use a clean container that is 2 to 4 times the volume of the silicone rubber to be used. Mix thoroughly until the color is uniform. Either hand or mechanical mixing can be used. Deaerate to a minimum of 28 inches of Mercury, or until the foam head collapses. Several sequences of releasing the vacuum and deaerating may be required. Pour into mold or part slowly to prevent air entrapment. Allow to cure 24 hours at room temperature before use.

Safety Precaution:

Do not allow any contact with skin or eyes. Wash thoroughly with water if eye contact should occur, then consult a physician. Skin contact may be cleaned up with soap and water.

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