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High Strength Tin Silicone RTV R-1300 Series Product Data Sheet

R-1300 Series Condensation Cure (Tin catalyzed), Room Temperature Vulcanizing Silicone rubbers are designed for their exceptional performance properties— high knotty tear, elongation, and tear strength. They are user-friendly and cure over most surfaces, and are used primarily for making flexible, high strength, production molds and/or parts. Use molds to cast polyester, urethane, epoxy, low melt metal (350F), thermoplastics (Polyvinyl), wax, soap, plaster, and any material where a release free casting is required.

Available Sizes: Pint Kit (1 lb) & Quart Kit (2 lb) Gal Kit (9 lb) & 5 Gal Kit (44 lbs) 55 Gallon Drum (495 lbs)

Features:

- User Friendly, Trouble-Free Cure
- Excellent Physical Properties with High Tear Resistance
- Highly Flexible for Undercuts
- Brushable Catalyst *Use **R-1300TH B**
- Cure Accelerator Additive *Use **Rapid Set**

	R-1318-10 A/B	R-1318 A/B	R-1328 A/B	R-1348 A R-1332 B	R-1348 A RN-1348 B
Color	Green	Green	Green	Grey	Orange
Mix Ratio	100 A / 10 B	100 A / 10 B	100 A / 10 B	100 A / 10 B	100 A / 5 B
Mix Viscosity	25,000	28,000	30,000	40,000	40,000
Specific Gravity	1.10	1.13	1.18	1.15	1.15
Hardness A Shore	7	15	25	30	40
Tensile Strength	390	400	520	550	550
Elongation	610%	550%	310%	340%	400%
Tear Resistance	85	100	110	110	115

MIXING & CURING INSTRUCTIONS:

Process part A by adding the curing agent B. **Part B should be shaken prior to use.** The addition of 10% catalyst (by weight) has a pot life of 35 minutes – 1 hour. De-aring (degassing) material is always recommended. Immediately after mixing, place the material in a vacuum chamber to remove trapped air and allow enough room for expansion as vacuum is drawn, as much as four times its original volume. Remove from vacuum chamber and pour very gently into cavity so as not to re-incorporate air into the material. Allow 16 to 24 hours before demolding. For fast cures use *Rapid Set* additive at 4 to 16 drops/lb (1 to 6 hour cures).

STORAGE/SHELF LIFE:

A and B components must be stored in their original, unopened containers at temperatures between 60-90F. Shelf life of materials when kept in unopened, sealed containers, at the recommended storage conditions, is 6 months.

THE INFORMATION AND DATA CONTAINED HEREIN ARE BASED ON INFORMATION WE BELIEVE RELIABLE. EACH USER OF THE MATERIAL SHOULD THOROUGHLY TEST ANY APPLICATION AND INDEPENDENTLY CONCLUDE SATISFACTORY PERFORMANCE BEFORE COMMERCIALIZING. SUGGESTIONS OF USES SHOULD NOT BE TAKEN AS INDUCEMENTS TO INFRINGE ON ANY PARTICULAR PATENT.