

RTV2 Silicone Rubber HT 45

RTV2 silicone rubber HT 45 is a bicomponent (catalyst and base) addition RTV silicone rubber that vulcanizes at room temperature.

Once vulcanized, RTV2 silicone rubber HT 45 is:

- Highly resistant to the aggressive components of some types of resin.
- Extremely durable (due to its high tear strength).
- Excellent for accurate reproduction of very small details.
- Dimensionally stable over time.
- Remarkably resistant to high temperatures and aging.
- Excellent anti-stick effect.

Main Application Sectors

- Mold-making and concrete molding (for its remarkable reproduction accuracy, high dimensional stability and high mechanical strength).
- Silk-screen printing on ceramic (for its remarkable reproduction accuracy, high mechanical strength and excellent laser incision capability).
- Jewelry making.

Typical Material Properties*

Mixing Ratio	1:1
Color	Transparent
Working Time at 23 °C (73 °F)	10-12 minutes
Setting Time at 23 °C (73 °F)	1-1½ hours
Hardness after 24 hours	43 ± 3 ShA
Viscosity of the Mix Pre-catalyzation	8500 cP
Tensile Strength	3.5 ± 0.5 N/mm ² (508 ± 73 psi)
Elongation at Break	370%
Tear Strength	19 ± 2.0 N/mm (108 ± 11 psi)
Density	1.12 g/cc

*These results are based on the testing methods, frequency and procedures of Ransom & Randolph or its approved suppliers. The levels referenced herein are only for general guidance and do not constitute a firm specification.

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PRODUCT DATA SHEET



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