

# RTV2 Silicone Rubber HT45

RTV2 silicone rubber HT45 is a bicomponent (catalyst and base) addition RTV silicone rubber that vulcanizes at room temperature.

Once vulcanized, RTV2 silicone rubber HT45 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\*

	Metric System	USA System
Mixing Ratio (Part A:Part B)	1:1	
Viscosity	8,500 cPs	
Density	1.12 g/cc	
Working Time at 73 °F (23 °C)	10-12 minutes	
Setting Time at 73 °F (23 °C)	1-1½ hours	
Shore A Hardness After 24 Hours	43 ± 3 ShA	
Tensile Strength	3.5 ± 0.5 N/mm <sup>2</sup>	508 ± 73 psi
Elongation at Break	370	
Tear Strength	19 ± 2.0 N/mm	2,756 ± 290 psi
Color	Transparent or Crystal Green	

\*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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