

RTV2 SILICONE RUBBER HT 33

RTV2 silicone rubber HT 33 is a pourable addition curing, two-component silicone that vulcanizes at room temperature.

Special Features

- Excellent long term stability of the mechanical characteristics of the hardened rubber
- Durability
- Precision in reproduction

Applications

- Mold making (dimensional stability, precision in reproduction, high mechanical resistance and durability)
- Jewelry (dimensional stability, precision in reproduction, high mechanical resistance and durability)
- Artificial stones (dimensional stability, precision in reproduction, high mechanical resistance and durability)
- Concrete molding (good compatibility with concrete formulas)

Typical Material Properties*

Product Data (Uncured)

	Catalyst	Base
Color	Translucent	Translucent
Density at 73 °F (23 °C)	68.05 lb./ft ³ (1,09 g/cc)	68.05 lb./ft ³ (1,09 g/cc)

Product Data (Catalyzed Catalyst + Base)

Color	Translucent
Viscosity of Pre-Catalyzation Mixture	7500 cP
Mixing Ratio	1:1
Density of B+C at 73 °F (23 °C)	68.05 lb./ft ³ (1,09 g/cc)
Working Time/Pot Life at 73 °F (23 °C)	20 minutes
Setting Time at 73 °F (23 °C)	3 hours and 30 minutes
Shore A Hardness after 24 Hours	33 shA
Tensile Strength	870 psi (6 N/mm ²)
Elongation at Break	460%
Tear Strength Die B	113 ppi (20 N/mm)

*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.

Processing

- Important note: the platinum catalyst is in the component catalyst
- Catalyst and base components may only be used together if they have the same batch number



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Important Application Tip

Be aware that contact with certain material can inhibit the curing of the RTV2 poly-addition silicone rubber. Common contaminants to be avoided include:

- Natural or synthetic rubber, vulcanized with sulphur derivatives
- Poly-condensation RTV catalyzed with metallic salts
- PVC stabilizing agents
- Amine cured epoxies
- Sulphur, tin and amines derivatives

In case of doubt, carry out a small test by pouring the mixture onto a small area of the object.

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