RTV Silicones by MOMENTIVE performance materials

RoHS COMPLIANT

2-Part Potting/Encapsulating Compound

RTV630

Primary Characteristics
- Self leveling
- Addition cure
- Cures in deep sections
- **Very high strength**
- Medium viscosity
- Primer required

Use for:
- Encapsulating applications requiring high tensile strength
- Exceptionally deep potting applications

Will form thin, light-weight molds with excellent durability. The high tear resistance and inherent release ability make it well suited to the manufacture of intricate castings, by reproducing each part exactly to detail. Other applications include prototype parts, production tools for casting epoxies and rubber rolls. Electrical circuits require a tough potting compound with outstanding vibration withstanding capability find RTV630 unequalled. Silicone primeris required.

Available Sizes

Catalog Number	Sizes Available	Description
RTV630-1P	1 pint	1 lb kit
RTV630 requires a primer. Visit our primer guide for details.		

Specifications

Use	Adhesive Sealant
Special Feature	High tensile strength
Cross Reference	RTV630
Uncured Properties	
Consistency	Pourable
Color	Beige (part A) Blue (part B)
Specific Gravity	1.28
Tack Free Time	4 hours
Cure Through Time	7 days @ 25°C 15 min @ 150°C
Useful Temp. Range	-60°C to 204°C (-75°F to 400°F)
Cured Properties - MECHANICAL	
Hardness	60 (Shore A)
Tensile Strength	5.69 MPa (820 psi)
Elongation	250%
Tear Strength	20 kg/cm (110 lb/in)
Cured Properties - ELECTRICAL	
Volume Resistivity	4.5×10^{15} ohm · cm
Dielectric Strength	17.7 kV/mm (450 V/mil)

Dielectric Constant	3.2 @ 1000 Hz
Cured Properties - THERMAL	
Thermal Conductivity	0.25 W/m · °K
Brittle Point	-60°C (-75°F)
Thermal Expansion	21 x 10^{-5} (°C)$^{-1}$
Other	
Viscosity (@ 25°C)	150,000 cps
Mix Ratio (by weight)	10 : 1
Pot Life	4 hours