



Silite RTV[®]

Description: A Silicone adhesive/sealant compound for sealing, caulking, bonding, and making gaskets.

Intended Use: Industrial Use: Weather-proofing electrical components, caulking plumbing fixtures, sealing glass, and making form-in-place gaskets.

Features: **Flexible from -60°F to 450°F (-51°C to 232°C) (white & clear)**
Moisture curing
Flexible from -60°F to 500°F (-51°C to 260°C) / 600°F (316°C) intermittent (Red)
Resistant to weather and chemicals

Limitations: Suitability of product is determined by the end user for their application and process.

Technical data should be considered representative or typical only and should not be used for specification purposes.

Typical Physical Properties:

Cured 7 Days @ 75°F (24°C)	Typical Values	Standard Tests
Dielectric Strength	375 volts/mils (14.8 kV/mm)	Dielectric Constant ASTM D 150
Elongation	600%	Maximum Elongation ASTM D 412
Hardness	30 Shore A	Tensile Strength (Urethanes) ASTM D 412
Temperature Resistance	-58°F - 446°F (-50°C - 230°C)	Cured Hardness Shore A ASTM D 2240
Tear Resistance	47 pli (8.2 N/mm)	Dielectric Strength, volts/mil ASTM D 149
Tensile Strength	400 psi (2.8 MPa)	Tear Resistance ASTM D 624
Dielectric Constant	2.8	Volume Resistivity, ohm/cm ASTM D 149
Volume Resistivity	7x10(13) ohm/cm	
Uncured		
Color	Clear, White, or Red	
Coverage (Depend on Bead Size)	100 ft (30.5 m) Linear	
Density	8.76 lb/Gal (1.05 g/cm ³)	
Functional Cure	24 Hr.	
Recoat Time	Anytime	
Tangent Loss	103	
Thickness per Coat	Non-sag gel up to 3/4" (19 mm)	
Viscosity	300,000 - 400,000 cP	

Surface Preparation: Clean surface by solvent-wiping any deposits of heavy grease, oil, dirt, or other contaminants. Surface can also be cleaned with industrial cleaning equipment such as vapor phase degreasers or hot aqueous baths.

Mixing Instructions: Mixing is not applicable to this product

Application Instructions: Clip tip of cartridge back to desired thickness. Drop into the caulking gun and squeeze trigger.

Storage: Store at room temperature, 70°F (21°C).

Compliances: Meets USDA, FDA 177.2600. Meets MIL-A-46106A Group 1, Type 1, NSF ANSI 51

Chemical Resistance: Chemical resistance is calculated with a 7 day, room temp. cure (30 days immersion) @ 75°F (24°C)

Ammonia	Fair	Methanol	Fair
Ammonium Hydroxide 20%	Very good	Motor Oil	Poor
Cutting Oil	Very good	Nitric 50%	Fair
Ethanol	Excellent	Potassium	Excellent
Gasoline	Poor	Sodium	Excellent
Glycols/Antifreeze	Very good	Sodium	Excellent
Hydrochloric 10%	Poor	Sodium	Very good
Hydrochloric 36%	Poor	Sulfuric 10%	Very good

Precautions: **FOR INDUSTRIAL USE ONLY:** Please refer to the appropriate Safety Data Sheet prior to using this product.

Warranty: ITW Performance Polymers will replace any material found to be defective. Because the storage, handling and application of this material is beyond our control, we can accept no liability for the results obtained.

**Order
Information:**

<u>Item No.</u>	<u>Package Size</u>
17100	Clear3 oz.
17140	White10.3 fl. oz.
17130	Red 10.3 fl. oz.
17150	Clear10.3 fl. oz.

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Disclaimer:

Product Use: The information herein is based upon good faith testing that ITW PP believes are reliable, but the accuracy or completeness of such information is not guaranteed. Many factors beyond ITW PP control and uniquely within user's knowledge and control can affect the use and performance of an ITW PP product in a particular application. Given the variety of influencers on performance, the data here is not intended to substitute end user testing. It is the end users sole responsible for evaluating any ITW PP product and determining whether it is fit for a particular purpose and suitable for user's design, production, and final application.

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