



Industries

100% RTV Silicone SERIES 11100

HI TEC RTV (Room Temperature Vulcanizing) Silicone is a one-component sealant which cures to a strong, durable, resilient 100% rubber seal. It is the perfect choice for exterior and interior sealing and caulking. It adheres to metal, glass, marble, tile, ceramic, porcelain, painted surfaces, non-oily woods, plastic, and rubber. It can be used as an adhesive for bonding a wide variety of surfaces together.

Typical Properties, As Supplied

RTV.....	Room Temperature Vulcanizing
Colors.....	Clear, White, Black, Aluminum, Almond, Bronze, Blue
Specific Gravity at 77° F (25° C).....	1.02
Extrusion Rate (3.18mm orifice, 90 psi air pressure)g/min.....	400
Flow, Sag, Slump.....	NIL
Application Temperature Range, ° F (° C).....	-37 to 140 (-37 to 60)
Tooling Time, Minutes.....	5-11
Tack Free Time, Minutes.....	10-20
Cure Time at 77° F (25° C and 50% RH (3.18mm thickness),hrs.....	24

Typical Properties, As Cured (7 days)

Durometer Hardness, Shore A, points (ASTM 2240).....	27
Tensile Strength, Mpa...(ASTM D412).....	2.4
Elongation , percent (ASTM D412).....	600
Peel Strength, ppi.....	20
Temperature Range.....	
Continuous operating temperature, max.....	425° F (218° C)
Intermittent operating temperature, max.....	500° F (260° C)

Specifications:

USDA for use in federally inspected meat and poultry plants, FDA reg. #21, CFR 177.2600, TT-S-0015443A (COM-NBS) Class A, TT-S00230C (COM-NBS) Class A MIL-A-46106B Amend. 3, Type 1. Canadian 19-GP-9MA Type 1. Conforms to NSF Standard 51.

Limitations - HI TEC HI-TEMP RED Silicone is not recommended for use in applications involving:

- *Temperatures exceeding 500° F (343° C)
- *Structural silicone glazing
- *Vinyl windows or vinyl siding
- *Prolonged water immersion
- *Porous substrates such as concrete, fiberglass and some plastics.
- *Materials that bleed oils or solvents
- *Surfaces to be painted...conventional paints will not adhere.

Packaging:

HI TEC HI-TEMP Silicone is supplied in a 10.1oz (300ml) caulking cartridge, 7.25 oz pressurized can, 3 oz squeeze tube, 5 gallon pails, and 55 gallon drums.

Warranty and Shelf Life:

Each application should be pre-tested for suitability of this product for the intended use. When stored in the original, unopened container at temperatures less than 90° F(32° C), HI TEC Hi Temp Silicone is guaranteed for one year from date of purchase.

HI TEC Industries
Toll Free 800-457-1313

6100 South Fairfax Rd
Phone 812-824-8000

Bloomington, IN 47401 USA
Fax 812-824-8185
