



## 3100 SERIES-PREMIUM 100% RTV SILICONE SEALANT

**3100 SERIES-PREMIUM 100% RTV Silicone Sealant** is a high quality, single-component, 100% silicone sealant that is perfect for exterior and exterior sealing and caulking. It adheres to metal, glass, marble, tile, ceramic, porcelain, painted surfaces, non-oily woods, rubber, and many plastics. It can be used as an adhesive for bonding surfaces together.

### TYPICAL PROPERTIES

#### As Supplied

RTV.....	Room Temperature Vulcanizing
Colors.....	Clear, White, Black, Blue
Specific Gravity at 77°F ( 25°C).....	1.04
Extrusion Rate (3.18mm orifice, 90 psi air pressure)g/min.....	350
Flow, Sag, Slump.....	NIL
Application Temperature Range, °F (°C).....	- 35 to 140 (-37 to 60)
Tooling Time, Minutes.....	5-10
Tack Free Time, Minutes.....	20
Cure Time at 77°F (25°C and 50% RH (3.18mm thick ness),hrs.....	24

#### As Cured (7 days)

Durometer Hardness, Shore A, points (ASTM 2240).....	25
Tensile Strength, Mpa (psi)...(ASTM D412).....	4 (350)
Elongation , percent (ASTM D412).....	550
Brittle Point, F (C)...(ASTM D746).....	-62 (-82)
Peel Strength, ppi.....	21.6
Temperature Range:	
Continuous operating temperature, max.....	450°F (232°C)
Intermittent operating temperature, max.....	500°F (250°C)

#### Specifications:

USDA for use in federally inspected meat and poultry plants, FDA reg. #21, CFR 177.2600, TT-S-001543A (COM-NBS) Class A, TT-S00230C (COM-NBS) Class A MIL-A-46106B Amend. 3, Type 1. Canadian 19-GP-9MA Type 1. Meets ASTM C920, Class 25. Conforms to NSF Standard 51.

#### Limitations - HI-TEC 100% RTV Silicone is not recommended for use in applications involving:

- Temperatures exceeding 450°F (232°C)
- Structural silicone glazing
- For use on vinyl windows or vinyl siding
- Prolonged water immersion
- Porous substrates such as concrete, fiberglass, and some plastics.
- Materials that bleed oil or solvents

\*Surfaces to be painted...conventional paints will not adhere.

#### 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.