



11100 SERIES-GENERAL PURPOSE 100% RTV SILICONE SEALANT

11100 SERIES-GENERAL PURPOSE 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, and rubber. It can be used as an adhesive for bonding surfaces together.

TYPICAL PROPERTIES

As Supplied

RTV.....	Room Temperature Vulcanizing
Colors.....	Clear, White, Black, Aluminum
Specific Gravity at 77°F (25°C).....	.98
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.....	5-11
Tack Free Time, Minutes.....	10-20
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).....	325
Elongation , percent (ASTM D412).....	570
Brittle Point, F (C)...(ASTM D746).....	-100 (-38)
Peel Strength, ppi.....	25
Temperature Range:	
Continuous operating temperature, max.....	350°F
Intermittent operating temperature, max.....	450°F

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. 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.

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