

Blue 100% RTV Silicone

Blue Gasket Maker

Technical Data

Blue RTV 100% SILICONE Gasket Maker is a nonslump paste-like, one part material which has excellent resistance to extreme temperature, moisture, ozone, vibration, and weathering.

FEATURES

- One-part acetoxy silicone rubber sealant.
- Can be applied at temperatures from -35 F (-37 C) to 140 F (60 C).
- Will not crack or become brittle with age.
- Excellent adhesion to glass, most types of wood, metal ceramics, porcelain, silicone rubber, synthetic rubbers and many plastics.

APPLICATIONS

- Sealant and adhesive for engine applications.
- Oil-Resistance
- High Temperature Gasketing
- Used in power generation.
- High temperature adhesive sealant.
- Adhesive sealant for tanks and generators.
- Sealing and adhering appliance parts.
- Oxygen Sensor Safe

APPLICABLE STANDARDS

- Blue Silicone Gasket meets or exceeds the requirements of the following specifications:
- TT-S-001543A Class A, Type NS, Use G
- TT-S-00230C Type II, Class A, Non-Sag-Federal Specifications for One-Component Silicone Sealants. Use G.
- When properly cured and washed meets FDA reg. 21-CFR-177.2600.
- Meets the requirement of MIL -A-46106A. Amend 2, Type 1.
- USDA Rating P1.

TYPICAL PROPERTIES

UNCURED

Curing Time @ 77F and 50% RH
(1/8-inch thickness) Hrs.....24
Flow, Sag or Slump (TT-S-001543).....Nil
Extrusion Rate.(1/8" thickness, 90 psi).....400g/min.

CURED

Hardness (Shore A)....ASTM D-2240.....27
Tack Free Time @ 77 F and 50% RH.....15
Skin-over Time @ 77 F and 50% RH.....6
Tooling Time.....10-20
Tensile Strength...psi...ASTM D-412.....350
Elongation..percent.....ASTM D-412.....600
Peel Strength, ppi.....20
Brittle Point.....ASTM D-746.....-82 F (-62 C)
UV Resistance....ASTM C-793.....Excellent
Temp. Range..... -80F (-62C) to 400 F (205 C)
Temp. Range intermittent to 500 F (260 C)

**Values given are not intended for preparing specific specifications.

PACKAGING

Product available in 3 oz. tubes, 7.25 oz. pressure pak cans, 10.3 oz. (305 ml) cartridges, 5 gallon pails and 55 gallon drums.

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