



# GASKET SEALANT

## RTV SILICONE (BLACK)

TECHNICAL SHEET 15/09/2026

### SMART ADVANTAGES

- Durable in harsh conditions
- Withstands Vibration and Thermal Cycling
- Versatile and reliable bonding
- High thermal and chemical resistance
- Permanently flexible after curing
- Resists oil, water, and automotive fluids
- Non-slump application for vertical and overhead surfaces

### CHARACTERISTICS

- Bostik Gasket Sealant is a ready-to-use, solvent free silicone sealant which is primarily designed for general purpose sealing and bonding applications.
- It is a high-temperature gasket maker and automotive sealant, formulated as a non-slump acetoxysilane curing paste that cures to a permanently flexible silicone rubber upon exposure to atmospheric moisture at room temperature.
- Exhibits excellent resistance to weathering, UV exposure, moisture, and vibration, ensuring durable sealing performance under demanding service conditions.
- The consistency of the uncured material allows a high application rate and makes it a good choice not only for dispensing from a caulking gun but also for automatic dispensing.
- Once fully cured, Bostik Gasket Sealant RTV forms a resilient silicone rubber seal that maintains its flexibility and sealing performance at temperatures up to 260°C under continuous exposure and up to 317°C under intermittent exposure.
- Bostik Gasket Sealant is a high-performance, formed-in-Place Gasket (FIPG) material designed for sealing flanged joints in transmissions, compressors, pumps, and other equipment exposed to vibration, thermal cycling, and fluid contact.
- Due to variations in substrate composition, surface condition, and manufacturing processes, adhesion testing is recommended prior to use.

#### Bostik Gasket Sealant may also be used for:

- Assembling valve and timing cover, crankcase, radiator, thermostat.
- Bonding gaskets in heating and cooling systems appliances.
- Sealing connecting joints, flanged pipe joints.
- Repairing cables



### TECHNICAL CHARACTERISTICS

|                               |                               |
|-------------------------------|-------------------------------|
| <b>Color</b>                  | Black                         |
| <b>Specific Gravity@ 25°C</b> | 1.02 ± 0.03 g/cm <sup>3</sup> |
| <b>Slump</b>                  | Max. 3 mm                     |
| <b>Tack-free Time*</b>        | 7-20 minutes                  |
| <b>Extrusion Rate</b>         | 250-500 g/min                 |
| <b>Shore A Hardness</b>       | 15-30                         |
| <b>Tensile Strength</b>       | Min. 1.0 MPa                  |
| <b>Elongation at break</b>    | Min. 300%                     |
| <b>Lap Shear Strength</b>     | Min. 0.5 MPa                  |

\*Depends on temperature and humidity

### SURFACE PREPARATION

- Ensure all surfaces to be sealed are clean, dry, and free from dust, dirt, rust, oil, grease, and other contaminants that may impair adhesion.
- Non-porous substrates should be cleaned with a suitable solvent and wiped dry immediately using a clean cloth before the solvent evaporates. Porous substrates should be mechanically prepared by brushing, abrading, or sandblasting to remove loose material and contaminants.

## APPLICATION METHODOLOGY

- Cutoff nozzle tip with the desired bead size and screw on the nozzle to the tube.
- The substrate must be dry and clean (dust and grease free).
- Apply the sealant in a continuous, uniform and even bead by exerting steady pressure on the tube. It is recommended to wear gloves during use.
- Apply an even bead to all sides with 2-4mm diameter. Refrain from repositioning once the skin has formed.
- If required, smooth and shape sealant with spatula dipped in a mild detergent.
- Excess uncured sealant may be removed using a cloth dampened with mineral turpentine or an appropriate solvent. Fully cured sealant can be removed mechanically by trimming with a sharp blade or knife.

## CURING

- Under standard curing conditions, Bostik Gasket Sealant develops a tack-free surface within 8–15 minutes and typically reaches full cure within 24 hours

## BEST RESULTS

- For a clean and uniform finish, apply masking tape along the joint edges prior to sealant application and remove the tape before the sealant begins to cure.
- Where painting is required, complete all painting operations prior to sealant application.

## SAFETY PRECAUTION

- Use in well-ventilated areas
- Wear appropriate personal protective equipment, including safety glasses and gloves, during application.
- Avoid direct contact of uncured sealant with eyes, skin, and mucous membranes.
- In case of contact, rinse immediately with plenty of water and seek medical attention if irritation persists.
- Keep out of reach of children

## STORAGE

- When stored in its original, unopened packaging under cool and dry conditions, the product has a shelf life of 18 months.
- Once opened, the package should be resealed immediately after use and stored appropriately to minimize exposure to moisture.

## PACKAGING

|                     |                        |
|---------------------|------------------------|
| <b>Product Code</b> | 30631678<br>30631674   |
| <b>Size</b>         | Black 32g<br>Black 85g |

## DISCLAIMER

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