



## Technical Data Sheet

### G587 flange silicone sealants for automobile part

#### PRODUCT DESCRIPTION:

BONDTRUST 587 provides the following product characteristics:  
product description:

Bond 587 is a one-component room temperature curing silicone adhesive sealant, mainly used for rigid and flexible plane bonding and sealing, widely used in automotive gasket-free applications, such as automotive valve covers, rocker cover oil pans, water pumps, End seals, intake manifolds, bonding and repairing with rear axle housings, home appliances, mechanical flat seals, etc., have excellent resistance to automotive engine oil, can bond most substrates, and are suitable for PC, PP, ABS, Materials such as PVC will not corrode. Good adhesion to most materials (except PP and PE).

Typical uses: automotive gaskets, mechanical electromechanical plane bonding and sealing;

#### Features:

Excellent high temperature resistance and electrical properties, high viscosity, good thixotropy

Good waterproof and moisture resistance, excellent aging resistance and weather resistance.

Description Neutral RTV

Appearance Paste Blue

Specific Gravity (g/cm<sup>3</sup>) 1.35~1.36

Skin time(min) T: 22°C, R.H.: 40% ~ 60% 10~30

Tack free time(min) T: 22°C, R.H.: 40% ~ 60% 20

Cure Rate (mm) T: 22°C, R.H.: 40% ~ 60% 4.0

Hardeness(shore A) >45

Elongation, % >250

Tensile Strength, N/mm<sup>2</sup> >1.75

Lifespan 1 year

Color Metallic Blue

Packing 100g , 300ml, 2600ml, 20L

Working Temperature -60°C to 260°C

Packing type 100PCS/ BOX, 25pcs/carton.

#### GENERAL INFORMATION

**This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.**

**For safe handling information on this product, consult the Material Safety Data Sheet(MSDS).**

#### Directions

1. For best performance bond surfaces should be clean and free from oil and grease)
2. Full performance properties will develop over 72 hours.
3. Moisture curing begins immediately after the product is exposed to the atmosphere, therefore parts to be assembled should be mated within a few minutes after the product is dispensed.
4. Excess material can be easily wiped away with non-polar solvents.
5. Excess cured material can be removed with a knife or single edge razor blade.

#### NOTE: Applications:

Sealing and anti-shaking of engines, valve cages, bonnets and other mechanical parts in cars, motorcycles, farming machines, also, seal in high-temp fields, like in machinery, electronic, chemicals, and hardware, etc.

#### How to use:

1. Clean all surfaces thoroughly. Remove old gaskets and prepare flange surfaces. Dry and remove all oil and grease
2. Remove the cap, puncture inner seal of the tube, screw on nozzle with a desired size
3. Apply continuous, uniform 1~4mm bead around perimeter of one surface. or completely surround all bolt holes
4. Wait about 10 minutes for glue to skin over. Then reassemble the parts
5. Gasket maker dries to touch in 1 hour and allow to bond after 24 hour fully curing.

#### Notes:

1. Clean the assembled parts by removing the oil and grease.
2. it will release some acid odor when assemble the parts, so using in an adequate ventilated place.
3. Screw the nozzle tightly after using in order to avoid its curing inside the tube
4. Keep away from children.

#### Storage

Store product in the unopened container in a dry location. Storage information may be indicated on the product container **Optimal Storage: 8 °C to 28 °C. Storage below 8 °C or greater than 28 °C can adversely affect product properties.** Material removed from containers may be contaminated during use. Do not return product to the original container. Bondtrust Corporation cannot assume responsibility for product which has been contaminated or stored under conditions other than those previously indicated. If additional information is required, please contact your local Technical Service Center or Customer Service Representative.