



Product Description

RTV SILICONE BLACK is a naturally curing, low-odor, low-volatility, non-corrosive single-component thixotropic sealant, suitable for sealing on high temperature surfaces such as: engine gaskets, rigid flange seals, transmissions and cast iron housings. Has good resistance to water/glycol, gases and solvents, and excellent resistance in permanent contact with oil.

The product resists aging, weathering and thermal cycling without hardening, shrinking or cracking.

Physical Properties

(Visual) appearance:	Black thixotropic paste
Odor:	Low odor
Density at 77°F:	8.7 lb/gal
Film formation time:	≤15 minutes
Ideal application temperature:	41°F to 113°F
Work temperature:	-65°F to 449°F, continuous and 500°F, intermittent
Elongation at fracture:	≥ 750%
Shore A hardness:	32
Gradual cure at 73°F and 55%RH after 24 hours:	≥ 0.1 in
Storage life at 68°F:	12 months

Typical applications

- ✓ Crankcase cover;
- ✓ Intake manifolds;
- ✓ Gearbox;
- ✓ Valve covers and differential;
- ✓ Timing belt cover;
- ✓ Engine gaskets;

Advantages

- ✓ Does not run;
- ✓ Non-corrosive;
- ✓ Low odor and low volatility;
- ✓ Replaces conventional gaskets, except spacer gaskets;

Instructions for use and handling

1. Clean the surface with a residual-free solvent and dry it. Do not use kerosene or gasoline.
2. Use lid to break tube seal.
3. Cut nozzle to desired bead size - gaskets are best formed using a 1/16" to 1/4" bead.
4. Apply a continuous and uniform bead of silicone in a circle around holes, pins and screws.
5. Assemble the parts and remove excess before the product forms a film.
6. After tightening the screws, remove excess product.

Restrictions on use

This product should not be used on surfaces that eliminate oil, plasticizers or solvents. Should not be applied to surfaces with a temperature above 113 °F or below 41 °F.

In confined areas, the silicone curing can be compromised by lack of air (the silicone sealant needs moisture from the air to cure). The silicone sealant should not be used as a structural adhesive.

Available packages

Available in 3.35 oz (95g) blister packs.

Storage

Keep the product in a closed container and store it in a cool place at 41°F to 80°F, away from direct sunlight, excessive heat, sparks and flames. Keep it out of the reach of children and pets. To prevent contamination of unused product, do not return any leftover material in its original packaging.

For further information and safe handling of this product, please refer to the Material Safety Data Sheet (**MSDS**).

IMPORTANT: The information contained in this Technical Data Sheet was obtained from reputable sources. Neither Tekbond nor its brands are responsible for the use of the information or for the use, application or processing of the product described herein. Users shall be aware of possible risks arising from improper use of the product. Material supplied by its exporter.