

# ThreeBond 1207B

RTV Silicone

ThreeBond **1207B** is a one component silicone based liquid gasket. It vulcanizes at room temperature (RTV) and forms a rubber-like elastic body offering excellent resistance to vibration and shock. It also has an excellent resistance to heat, automotive oils and fluids and effectively seals joints that are subjected to high temperature.

## 1. Features

- Acetone type
- One component solvent free silicone
- Moisture curing
- Service temperature : -60 / +200°C (+250)°C
- Powertrain sealant, flange sealant

## 2. Properties

### Before curing

Test	Results	Units
Colour	Black	-
Viscosity at 25°C	100	Pa.s
Specific gravity at 25°C	1.01	-
Tack free time	8	min

### After curing

Test	Results	Units
Hardness	30	Shore A
Elongation	400	%
Tensile strength	2.0	MPa
Shear strength Al / Al Fe / Fe	0.9 1.6	MPa
Thermal conductivity	0.2	W/(m.K)
Low-Molecular-Weight content (LMW) Siloxane $\sum D_n$ (n = 3-10)	87	ppm

## Chemical resistance

Chemicals	Results	Units
Water (90 ~ 95°C x 24 h)	- 0.6	weight %
Petrol (45 ~ 50°C x 24 h)	+ 5.0	weight %
Oil (95 ~ 100°C x 24 h)	- 6.0	weight %

## 3. Handling

- Before use, please refer to the safety data sheet.
- Prior to opening the container, let it reach room temperature to avoid condensation inside.
- To obtain optimal results, remove humidity, grease and other impurities from the surfaces to be assembled.
- Depending on the materials (dimensions and surface roughness), apply an appropriate and uniform amount of liquid gasket on the surface, then assemble rapidly.
- Tack free time and curing speed will vary depending on room temperature and humidity ratio.
- The product once transferred into another container should not be returned to the original one. Any excess product should be wiped out using a cloth.
- Excess product may be removed using TB2890D cleaner.
- Keep the product in its original container, tightly sealed and store it in a dark, dry and well ventilated place at **10 ~ 25°C**.

Data given here were compiled to the best of our knowledge and are based on experiments and tests of our Company. We cannot guarantee the results obtained through the use of our products, and all products are sold and samples given without any warranty, expressed or implied, of fitness for any particular purpose or otherwise and upon condition that the user shall make his own tests to determine the suitability of the product for his purpose.