

## SS5204

### High-temperature resistant Silicone Sealant

SS5204 stands as a single-component RTV silicone adhesive that cures at room temperature. When exposed to moisture, it produces acetic acid. This adhesive exhibits strong adhesion to a range of substrates, including glass, metal, and ceramics, and offers excellent resistance to weathering.

#### FEATURE

- Used for automotive gearbox bonding and sealing
- Sealing and bonding of gaskets in heater and refrigerator
- Good weather resistance, water resistance and aging resistance
- Environmentally friendly, non-toxic, temperature resistance: -50 ~ 260°C
- Good resistance to engine oil and some chemicals
- Reach & RoHS Compliance

#### TYPICAL UNCURED PROPERTIES

Properties	SS5204
Appearance	Liquid
Color	Transparent/black/white
Viscosity, ASTM D4287, mPa.s	60,000 ± 20,000

#### TYPICAL CURING PROPERTIES

Properties	SS5204
Surface Dry Time @ 25°C 50%R.H, min	5 ~ 20 mins
Thoroughly Cured Time @ 25°C, day	7 days

#### DIRECTION OF USE

1. This product should be applied to a clean surface which is free of dirt, grease or mold release. In many cases, a simple solvent wipe is sufficient.
2. The effectiveness of adhesives in curing well depends on various factors, including the impact of changes in the work environment. To achieve optimal curing results, it is advisable to consult with GLUDITEC engineers and adapt the usage process to align with the production line conditions.
3. While the adhesive cures, it's best to use compatible fixtures to hold the parts in place. Avoid any movement or displacement of the bonded substrate caused by external force before curing, as this could prevent the adhesive from reaching its full bonding potential.

#### TYPICAL CURED PROPERTIES

Properties	SS5204
Service Temperature	-50 ~ 260°C
Density, 25°C, g/cm <sup>3</sup> ASTM D792	1.02 ± 0.05
Durometer Hardness, Shore A, ASTM D2240	25 ± 5
Elongation at break, %, ASTM D638	≥ 400
Tensile shear strength, ASTM D1002	1.6 MPa

#### STORAGE AND SHELF LIFE

The container should be stored in cool and dark place. The resin and hardener will become yellow under the sunlight. Replace the lid immediately after use. Keep without any possibility of wet when not using. Shelf life of this product is twelve months when stored below -10~40°C in original, unopened containers.

#### CAUTION

Some findings indicate a lack of potential for carcinogenicity with the compositions of this product by long term recurrent application to the skin. However, contact with skin is likely to produce mild transient reddening. It is important to remove adhesive from skin with soap and water thoroughly. DO NOT use solvents for cleaning hands. This resin is of moderate acute toxicity by swallowing. If swallowed, call a physician. Avoid contact with eyes. In case of contact, flush with water for at least 15 minutes and get medical attention immediately. For specific information on this product, consult the Material Safety Data Sheet.

The data contained in this bulletin is provided only as a guide for evaluation/consideration. These material characteristics are typical properties that are based on a limited number of samples tested in the laboratory. We cannot assume responsibility for results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any product or method. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide.