

RHODORSIL[®] RT GEL 8260 A and B

Description **RHODORSIL RT GEL 8260 A and B** is a two component, polyaddition reaction, room temperature curing silicone elastomer. Curing can be accelerated by heating.

RHODORSIL RT GEL 8260 A and B is a fluid, colourless liquid which transforms after curing into a soft elastic, transparent GEL. Curing takes place without any heat release.

- Advantages**
- Self adhesion to many surfaces.
 - Transparency.
 - Good heat stability.
 - Low viscosity.
 - 1/1 ratio.
 - Quick setting, accelerated by heating.

- Applications**
- Protective potting of electronic components.
 - Protection of semi-conductor junctions.
 - Vibration damping systems.

Characteristics

1. Before curing

	RT GEL 8260 A	RT GEL 8260 B
Appearance	Viscous liquid	Viscous liquid
Colour	Colourless	Colourless
Viscosity at 25 °C, mPa.s, approx.	6300	5800

2. After catalysis

RHODORSIL RT GEL 8260 A100 parts

RHODORSIL RT GEL 8260 B.....100 parts

Gel time at 23 °C, approx. 65 min

Gel time at 30 °C, approx. 30 min

Gel time at 50 °C, approx. 7 min

At room temperature (23 °C) we can consider the product to be fully cured after 24 hours.

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3. Cured compound

Colour Transparent

Penetration for 1/10 mm, approx. 220

Adhesion to epoxide, N/mm, approx. 0.15

Dielectric properties

Dielectric strength, kV/mm, approx.28

Processing

Remix each of the 2 components (parts A and B) every time before using.

1. Mixing the two components

To 100 parts of **RHODORSIL RT GEL 8260 A** add 100 parts of **RHODORSIL RT GEL 8260 B**.

The two components are thoroughly mixed using an electrical or pneumatic mixer, on a low speed setting so as to limit the inclusion of air in the mixture.

2. Degasing

After mixing parts A and B, it is preferable to degas the products under a 30 to 50 mbar vacuum releasing the vacuum two or three times during the operation. Considering the reactivity of the mixture, this operation should be carried out at a temperature of 20 to 23 °C.

When processing large amounts it is preferable to use a two component silicone processing machine with a static mixer.

Comment:

Certain materials that the RT GEL may be in contact with when curing could inhibit the reaction:

- *Sulphur-derivative cured natural or synthetic rubber compounds.*
- *RTV's catalysed with metal salts.*
- *PVC stabilizers.*
- *Epoxy resin catalysed with amines.*

If in doubt, it is recommended to carry out a preliminary test.

Packaging

RHODORSIL RT GEL 8260 A and B are delivered in 25 kg drums. Other packaging is available on request.

Storage and shelf life

When stored in its original unopened packaging at a temperature of between – 5 °C and + 30 °C, **RHODORSIL RT GEL 8260 A and B** must be used within 12 months of its date of manufacture clearly marked on the packaging.

Beyond this date, Bluestar Silicones no longer guarantees that the conformity of the product with the sales specifications.

Safety


Consult the safety Data Sheets of the **RHODORSIL RT GEL 8260 A and B**.

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