

# GEL-8132

## Tacky silicone gel

### DESCRIPTION

- Clear, tacky, firm silicone gel
- Easy mixing two-component, medium viscosity system
- 1:1 Mix Ratio (Part A:B)

### APPLICATION

- Ideal for casting, calendaring, backfilling and dampening
- Suitable for applications requiring a clear, tacky, firm silicone gel
- Consider for the use as the tacky substrate for removable tapes.

### PROPERTIES

| Typical Properties  | Average Result          | Standard          | NT-TM |
|---|-------------------------|-------------------|-------|
| <b>Uncured:</b>   |                         |                   |       |
| Appearance  | Translucent             | ASTM D2090        | 002   |
| Viscosity, Part A   | 10,500 cP (10,500 mPas) | ASTM D1084, D2196 | 001   |
| Viscosity, Part B   | 6,500 cP (6,500 mPas)   | ASTM D1084, D2196 | 001   |
| Viscosity, 2 hours after mixing   | 12,000 cP maximum       | ASTM D1084, D2196 | 001   |
| <b>Cured: 45 minutes at 135°C (275°F)</b>                                     |                         |                   |       |
| Penetration (Lab Line Penetrometer, 19.5g shaft, ¼" diameter foot, 5 seconds) | 1.1 mm                  | -                 | 011   |
| Surface-Tack Test   | 10 psi (0.07 mPa)       | ASTM D429         | 103   |

The above properties are tested on a lot-to-lot basis. Do not use as a basis for preparing specifications. Please [contact](#) NuSil Technology for assistance and recommendations in establishing particular specifications.

## INSTRUCTIONS FOR USE

### Mixing

Combine Part A : Part B in a 1:1 mix ratio prior to use. Airless mixing, metering, or dispensing equipment is recommended for production operations. If mixing by hand, take care to minimize air entrapment.

### Vacuum Deaeration

Remove air entrapped during mixing by common vacuum deaeration procedure, observing all applicable safety precautions. Slowly apply full vacuum to a suitable container of at least four times the volume of material being de-aired. Hold vacuum until bulk deaeration is complete.

### Substrate Considerations

Cures in contact with most materials common to electronic assemblies and liners used for tapes. Exceptions include: sulfur-cured organic rubbers, latex, chlorinated rubbers, some RTV silicones and unreacted residues of some curing agents.

Note: Some bonding applications may require the use of a primer. NuSil Technology's CF1-135 is recommended. For more information on primer selection, visit [www.nusil.com](http://www.nusil.com) and review [Choosing a Silicone Primer/Adhesive System](#).

## ROHS AND REACH COMPLIANCE

Please [contact](#) NuSil Technology's Regulatory Compliance department with any questions or for further assistance.

## SPECIFICATIONS

Do not use the properties shown in this technical profile as a basis for preparing specifications. Please [contact](#) NuSil Technology for assistance and recommendations in establishing particular specifications.

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### Packaging

2 Pint Kit (910 g)  
2 Gallon Kit (7.28 kg)  
10 Gallon Kit (36.4 kg)  
2 Drum Kit (360 kg)

### Warranty

12 Months

exclusive remedy and NuSil Technology's sole liability for breach of warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. NuSil Technology expressly disclaims any liability for incidental or consequential damages.

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