

AS11-NC

Product Description:

AS11-NC is a silicone adhesive rubber developed for applications requiring fast development of physical properties and excellent unprimed adhesion. AS11-NC is a 1-Part silicone that when applied to the substrate allows handling of the bonded assembly within an hour. When cured, the elastomer resists weathering, ozone, moisture, and UV. AS11-NC works well in manual and automatic dispensing equipment.

Product Features:

- Room Temperature Cure
- Thixotropic paste
- Excellent unprimed adhesion to many composites, metals and glass
- Rapid onset of adhesion
- Non-corrosive oxime cure

Curing:

RTV stands for Room Temperature Vulcanization, which means to cure at room temperature. Typical utilization involves dispensing in open air and after exposure to ambient humidity, a room temperature cured rubber is formed.

Offset For:

Momentive (GE) RTV162 White
Dow Corning 737 (RTV737)
MIL-A-46146* Group I, Type I related material.

Service Temperature:

-45 to 260°C

Silicone RTV Adhesive Sealant

Typical Properties:

UNCURED

| | |
|---------------------------------|--------------------|
| *Color: | Black, Gray, White |
| Viscosity, cps | 400,000 |
| Specific Gravity | 1.29 |
| Consistency | Thixotropic paste |
| Working time, mins. @ R.T. | 5 |
| Tack Free Time, mins. @ R.T. | 15 |
| Application Rate, 90 psi g/min. | >1000 |
| Solids, % | 98 |
| VOC, % | 1.60 |

*(custom colors available upon request)

CURED – ROOM TEMPERATURE

| | |
|-----------------------|----------------|
| Cured | 72 hrs. @ R.T. |
| Tensile Strength, psi | 275 |
| Elongation, % | 350 |
| Durometer, Shore A | 35 |
| Peel Strength, lbs/in | 30 |

Typical Applications:

- Industrial bonding
- Form in place gaskets
- Adhesive sealant

Method of Application:

Dispense sealant onto part and mate parts. Be sure not to squeeze all of the product out of flange assembly. Allow to cure.

Limitations:

Do not use product on head gaskets, solvent or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Handling and Safety:

For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to SDS.



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Shelf Life:

In sealed containers, 1 year when stored in a cool dry area.

Packaging:

Available in standard 3 fl. oz. tubes and 10.3 fl. oz. cartridges. Other size packaging available upon request.

Limitations:

*Testing for referenced MIL Spec is performed in accordance with Aerospace Sealants quality test methods, laboratory conditions, and procedures, frequency and sampling, which are not necessarily identical with the methods, conditions, procedures, frequency and sampling stated or referenced in the listed specification. Any certification will be limited to listed properties and will not imply or state conformity to any other aspect of the referenced specification, including but not limited to marking, packaging, bar coding, testing, or sampling.

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