

AS12SL-NC

Product Description:

AS12SL-NC is a 1-part silicone RTV developed for coating applications. AS12SL-NC offers unprimed adhesion to many metals and plastics. When cured, AS12SL-NC results in a very durable silicone adhesive coating. The elastomer resists weathering, ozone, moisture, UV and high temperature.

Product Features:

- Room temperature cure
- Self-leveling liquid RTV
- Adhesion to metals and many plastics
- 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) RTV160
MIL-A-46146* Group I, Type II related materials.

Method of Application:

Dip or dispense coating onto assembly, allow product to cure.

Service Temperature:

-45 to 250°C

Properties listed herein are actual target data points only. User must determine proper usage and applicability. This document contains proprietary information and is not to be transmitted, reproduced or disclosed to anyone without written permission of Aerospace Sealants. LLC.

Self-Leveling Silicone RTV Adhesive Coating

Typical Properties:

UNCURED

*Color:	Translucent
Viscosity, cps	20,000 – 35,000
Specific Gravity	1.03
Consistency	Self-leveling liquid
Working time, mins. @ R.T.	10
Tack Free Time, mins. @ R.T.	20
Solids, %	98
VOC, %	2.24

*(custom colors available upon request)

CURED – ROOM TEMPERATURE

Cured – 72 hrs. @ R.T.	
Tensile Strength, psi	300
Elongation, %	300
Durometer, Shore A	25
Peel Strength, PPI	40
Dielectric Strength, KV/mm	20
Dielectric Constant	3.1
Dissipation Factor	0.01
Volume Resistivity	4 x 10 ¹⁵

Typical Applications:

- Coating assemblies
- Industrial sealing
- Thin section potting & encapsulation

Limitations:

Do not use product in a fuel or solvent immersion application. Allow to fully cure before putting assembly into service.

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.



4550 E. McKellips Rd., Ste.112
Mesa, Arizona 85215

AS12SL-NC Rev. N/C 8-23-17

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.

Properties listed herein are actual target data points only. User must determine proper usage and applicability. This document contains propriety information and is not to be transmitted, reproduced or disclosed to anyone without written permission of Aerospace Sealants. LLC.