

# EMSA-209

## High-performance Silicone RTV Adhesive

### PRODUCT DESCRIPTION

EMSA-209 is a thermally conductive silicone RTV adhesive with single alcoxy type component at room temperature at room temperature. It has excellent electrical insulation and resistance to aging and weather. The EMSA-209 is a RoHS compliance product and non-corrosive from metal. The EMSA-209 has a wide application in assembly industries such as electronic components bonded, solar modules border seal, and lamp assembly. EMSA-209 is a not flowing paste which has a high bonding to substrate once it curing.

### TECHNICAL PROPERTIES

Prior to Cure	
Cure Type	Alcoxy
Appearance	Non-flow paste
Color	Grey, black and white
Specific gravity, g/cm <sup>3</sup>	1.44
Extrusion rate (0.3Mpa, Semco 3.18 mm , 23 °C), g/min	50

At Cure	
Tack-free time min	20
Cure rate (23 °C, 50% RH) 1 day, mm	2
Cure rate (23 °C, 50% RH) 3 day, mm	5
Working Temperature, °C	5 to 40

After Cure	
Specific Gravity , g/cm <sup>3</sup>	1.44
Durometer Hardness (Shore A)	40
Temperature Tolerance, °C	-55 to 200
<b>Mechanical Properties after 3 days (23 °C, 50% RH)</b>	
Tensile Strength, MPa	2.4
Elongation Break %	450
Adhesion strength in Al, MPa	0.35
<b>Bonding Properties</b>	
Bonding in Aluminium	100% cohesive failure
Bonding in TPT	100% cohesive failure
Bonding in PPO	100% cohesive failure

The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assure legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. No warranty of fitness for a particular purpose is made. Properties are typical and not to be used as specifications.

## HOW TO USE

1. Ensure that all substrates are clean and dry.

### *\*Special note*

No primer needed.

## PACKAGE

Generally pack in 310ml in plastic cartridge, 25kg or 250kg in barrel.

## STORAGE

Store in cool and dry place which under temperature 30 ° C. Unopened product has a usable life of 12 months under the suggested storage condition. None guaranteed to the product once it over this period.

## HEALTH AND SAFETY

Refer to the MSDS for guidance on safety and health issues.

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