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| Product description        | QS9113 is a one-component, room temperature vulcanizing (RTV) and OXIME curing silicone rubber.                                                                                                                                                                                                                        |
| Applications               | Protective sealing electric & electronic parts (of power supplies, connector, sensor, relay, high voltage resistor pack.)                                                                                                                                                                                              |
| Key performance properties | Thermal stability.<br>Excellent weathering resistance.<br>Good adhesion on most electric & electronic materials without primer.<br>Suitable for sealing electric & electronic parts.<br>Excellent heat-resistance (performs its elastomeric/ adhesive properties up to 260°C continuously and up to 315°C temporarily) |

### Typical Property Data

|                    |                                                                                  |         |                       |
|--------------------|----------------------------------------------------------------------------------|---------|-----------------------|
| Benefits           | – Semi Flowable<br>– Heat-resistant<br>(-50°C~260°C,<br>temporarily up to 315°C) |         |                       |
| Typical properties | (Condition: 23 °C, 50%RH)                                                        |         |                       |
|                    | Property                                                                         | Unit    | Result                |
|                    | Appearance                                                                       | –       | Red brown flowable    |
|                    | Specific Gravity                                                                 | –       | 1.07                  |
|                    | Viscosity                                                                        | cP      | 12,000                |
|                    | Tack-Free time                                                                   | min     | 25                    |
|                    | Hardness                                                                         | Shore A | 20                    |
|                    | Tensile Strength                                                                 | MPa     | 1.8                   |
|                    | Elongation                                                                       | %       | 300                   |
|                    | Volume Resistivity                                                               | Ωcm     | $1.50 \times 10^{16}$ |
|                    | Dielectric Strength                                                              | kV/mm   | 21                    |
|                    | Shelf Life                                                                       | Month   | 6                     |
|                    | ※ Typical property data values should not be used as specifications              |         |                       |

### Storage and packaging

|                        |                                                                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Shelf life and storage | Use it within 6 months from the day of manufacture. Store in a cool dry place out of direct sunlight. Keep out of the reach of the children. |
| Packaging              | 0.3L RTV Cartridge                                                                                                                           |

### Remarks

|                      |                                                                                                                                                                                                                                           |
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| Handling Precautions | 1) In 24hours (at room temperature and 50% relative humidity) this product will cure to a depth of about 2mm.<br>2) Very deep sections especially when access to atmospheric moisture is restricted, will take longer to cure completely. |
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- 3) Cure time is extended at lower humidity levels.
- 4) Cure time will depend on many factors and should be determined by the user for each specific application. (especially thickness, temperature and relative humidity)
- 5) Maintain adequate ventilation in the work place at all times.
- 6) Adhesion may be less successful on plastics such as polyethylene, polypropylene and so on.
- 7) Adhesiveness may decline in case of the substrate contaminated.
- 8) For the best adhesion, clean surfaces thoroughly with solvent before applying the product.(ex. MEK)
- 9) Users should do preliminary tests in each specific application to ensure satisfactory results.
- 10) This product should not be applied condition below.
  - ① On surfaces that are continuously immersed in water.
  - ② On materials that bleed oils, plasticizers or solvents that may affect adhesion.
  - ③ On frost-laden or wet surfaces.
  - ④ To surfaces in direct contact with food or other food-grade applications
  - ⑤ When substrate surface temperatures exceed 50 °C.
  - ⑥ For continuous high pressure and high temperature.
  - ⑦ For Interior fire prevention section.
  - ⑧ For application that wear is expected by physical friction.
  - ⑨ If the RTV is intended to be painted (paints do not typically adhere to most RTV)
  - ⑩ On polycarbonate plastic sheeting, suitability for use on other type of plastic should be tested prior to application.
- 11) Wash thoroughly affected skin areas with mild soap and plenty of water.
- 12) Wear eye protection and protective gloves when handling this product.
- 13) Store in original unopened containers in a dry place.
- 14) Temperature should not exceed 25 °C for prolonged periods.
- 15) Do not mixing with other products.
- 16) As change in quality can be at long term storage, use in validity.
- 17) This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information.

Comprehensive instructions are given in the corresponding Material Safety Data Sheets.

They are available on request from KCC subsidiaries or may be printed via KCC web site

<http://www.kccworld.co.kr/silicone>

※ Inquire other questions to customer service.

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| <b>Warranty<br/>information</b> | <p>Please read carefully</p> <p>The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that KCC's products are safe, effective, and fully satisfactory for the intended end use.</p> <p>KCC's sole warranty is that the product will meet the KCC sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to replacement of any product shown to be other than as warranted.</p> |
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Suggestions of use shall not be taken as inducements to infringe any patent.

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| <b>1'st issue</b> | 2010-07-27 |
| <b>Revision</b>   | 2015-02-23 |

※ Please refer to MSDS if you want to know more specific usage or caution.  
for further information, please see our website, [www.kccworld.co.kr](http://www.kccworld.co.kr)

