

Product description	QS9177 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.)

Typical Property Data

Benefits	Flowable Excellent weatherability			
Typical properties	Property	Unit	QS9177-CLEAR(L)	QS9177-BLACK
	Appearance	-	Flowable Translucent	Flowable Black
	Specific Gravity	-	1.00	1.05
	Viscosity	mPa·s	9,500	10,000
	Tack-Free time	min	10	35
	Hardness	Shore A	15	15
	Tensile Strength	MPa	1.1	1.1
	Elongation	%	300	300
	Volume Resistivity	Ωcm	3.27×10^{14}	3.27×10^{14}
	Dielectric Strength	kV/mm	25	25
	Shelf Life	Month	12	12
	※ Notice Typical property data values should not be used as specifications.			
Features	Good adhesion on most electric & electronic materials without primer. Suitable for sealing electric & electronic parts. Excellent weathering resistance. Remains flexibility at low (−45 °C) and high (200 °C) temperatures.			

Storage and packaging

Shelf life and storage	Use it within 12 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, 20kg PE PAIL, 200 Drum

Remarks

Handling Precautions	1) In 24hours (at room temperature and 50% relative humidity) this product will cure to a depth of about 2mm. 2) Very deep sections especially when access to atmospheric moisture is restricted, will take longer to cure completely. 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.
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- 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 in 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.

Warranty information	Please read carefully 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. 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. KCC specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Unless KCC provides you with a specific, duly signed endorsement of fitness for use, KCC disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.
1'st issue	2010-07-27
Revision	2019-06-04

※ 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

