



Product description	SL5100 is a transparent and addition type, two component silicone gel. The mixing ratio of Part A(S5100A) and Part B(SL5100B) is 1:1 by weight percent. It is cured under 130°C for 20min after mixed.
Applications	Electrical and electronic potting Mechanical cushioning and vibration damping material for delicate assemblies
Key performance properties	Good workability Easy pigmentation No oil bleed after curing(at above 40°C) Excellent adhesion after curing Environment friendly product

Typical Property Data

Benefits	-Low viscosity -Long pot life -Rapid heat cure (Room-temperature curable and Heat accelerated cure)		
Typical properties	Property	SL5100A	SL5100B
	Uncured compound		
	Color	Translucent	Translucent
	Specific gravity	0.98	0.98
	Viscosity (25 °C, mPa.s) 1) 1)	1,020	910
	Mixing ratio	1 : 1	
	Mixing viscosity(25 °C, mPa.s) 2)	950	
	Pot life (25 °C, h)	2	
	Cured compound (20 min at 130 °C)		
	Curing rate at 25 °C	12 h	
	at 40 °C	1 h	
	at 60 °C	40 min	
	Penetration (needle, mm) 3)	20	
	Penetration (1/4 cone, mm) 4)	4.8	
절연파괴강도(kV/mm)	21		
1)2) Brookfield Viscometer HADV Type / Spindle No.2, 50 rpm 3) Penetration(mm) : needle type 4) Penetration(mm) : ¼ cone (ASTM D1403) Notice 1) Typical property data values should not be used as specifications.			
Composition	-Part A : Silicone polymer, Catalyst -Part B : Silicone polymer, Inhibiter		
How to use	This product blend A and B to 1:1. For appropriate gel property A and B are blended homogeneously and		

in vacuum some cases. After blending each component pour into electric assemblies or etc. In some applications are critical to air you can vacuum whole assemblies with pouring mixed compounds . Curing takes place without any heat release but can be accelerated by heating.

Features	-Two component(1:1) -Curing condition (130°C,20min)
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Storage and packaging	
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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.
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Packaging	Part A : 18kg Plastic pail Part B : 18kg Plastic pail
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Remarks	
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Handling	1) Curing time can be different from temperature ranges.
Precautions	2) If contacts or contains with water, sulfur, nitrogen compounds, organic metallic salts, Sn compounds, phosphorus compounds ,vulcanized rubber, etc. might cause curing faults, careful attention is needed at all times. 3) Keep out of the reach of children. Do not swallow. 4) Do not use heat, open flame, sparks or other sources of ignition. 5) For industrial use only 6) No shock and vibration 7) Store in a cool place out of direct sunlight. When stored at or below 30°C in the original unopened containers have a useable life of 12 months from the date of production. 8) All parts should be as clean and dry as possible prior to applications. 9) Use product after completely cured. 10) Keep away from ultraviolet light. 11) Wear eye protection and protective glove when handling this product. Maintain adequate ventilation in the work place at all times. 12) Wash thoroughly affected skin areas with mild soap and plenty of water 13) Do not dispose of the emptied container unless the contents have been completely removed and the container has been flushed with a clean neutral solvent and then dried up. 14) Use product within shelf life.

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.
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Suggestions of use shall not be taken as inducements to infringe any patent.

1'st issue	2006-05-12
Revision	2011-06-29

※ 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

