



Product description	SL5152 is a transparent and addition type, two component, low volatile silicone gel. The mixing ratio of Part A(SL5152A) and Part B(SL5152B) is 1:1 by weight percent. It is cured under 130℃ 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 Less oil bleed after curing(at above 40℃) Excellent adhesion after curing Environment friendly product

Typical Property Data

Benefits	Low viscosity		
	Relatively toughness		
	Rapid heat cure		
Typical properties			
	Property	SL5152A	SL5152B
	Uncured compound		
	Color	Transparent	Transparent
	Specific gravity (25 ℃, min)	0.97	0.97
	Viscosity (25 ℃, mPa.s) ¹⁾	500	350
	Mixing ratio	1:1	
	Mixing viscosity(25 ℃, mPa.s) ²⁾	400	
	Pot life (25 ℃, hr)	2	
	Cured compound (130 ℃, 20 min)		
	Curing rate at 130 ℃ (min)	20	
	Penetration (1/4 cone, 1/10mm) ³⁾	90	
	Dielectric strength (kV/mm)	21	
	1), 2) Brookfield Viscometer (LV) / spindle No.62, 20 rpm 3) Penetration (1/10mm) : Quarter 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, Inhibitor		
Curing process			
	Two component		

	Mixing ratio 1:1 Curing condition: 130°C,20min
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.
Storage and packaging	
Shelf life and storage	Use the product within 12 months from the date of manufacturing. Store in a cool and dry place out of direct sunlight. Keep out of the reach of the children.
Packaging	SL5152A : 18kg Metallic pail SL5152B : 18kg Metallic pail
Remarks	
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	Warranty Information – Please read carefully

information	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.
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※ 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

