



Product description	LGF-110S product is addition type, two component silicone adhesives with high thermal conductivity
Applications	LGF-110S is applicable for attaching heat sink on heat generating devices, and extendable for other applications such as power supply units, IGBT modules, computers, displays, inverter, etc.
Key performance properties	LGF-110S should be operational over of a temperature range of -45 ~ 200°C. The product is formulated to adhere onto common materials for electronic applications.

Typical Property Data

Benefits	<ul style="list-style-type: none"> - High thermal conductivity - Good physical & electrical properties - Tailored viscosity suitable to dispensing and injection - Controlled silicone volatility - Excellent heat resistance
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Typical properties	Property	LTP-110S
	Uncured compound	
	Appearance	Liquid
	Color	Gray
	Viscosity (A part, Pa.s)	105
	Viscosity (B part, Pa.s)	80
	Viscosity (Mixed as 1:1 ratio, Pa.s)	90
	Pot Life (hrs)	2
	Cured compound (150°C*15min press cure, 150°C*1hr oven cure)	
	Specific Gravity (25°C)	3
	Hardness (Asker C)	20
	Thermal Conductivity (W/m.K)	3.1
	Dielectric Strength (kV/mm)	15
	Volume Resistivity (ohm-cm)	0.5×10^{14}
	Low molecular content (D3~D10, ppm)	300

※ Typical property data values should not be used as specifications.

Composition	<ul style="list-style-type: none"> - Silicone polymer - Thermally-conductive filler - Additives
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Curing process	150°C X 1hour
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How to use	<p>Wear eye protection and protective gloves when handling this product.</p> <p>LGF-110S is recommended to remix each part before use, because thermal filler may be separated due to higher s.g. than polymer.</p>
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May cause a curing difficulty with amine, sulfur, organophosphate compound, and organometallic compound.

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	Part-A : 1Kg PE Can, 20kg PE Pail Part-B : 1Kg PE Can, 20kg PE Pail

Remarks	
Handling	1) LTP-141 is recommended to remix each part before use, because thermal filler may be separated due to higher s.g. than polymer.
Precautions	2) During or after mixing two parts, the air entrapment should be removed under vacuum . 3) Cure reaction begins with mixing and working time is 120min through the complete cure time is 24hours(25 °C). 4) Curing time can be different from temperature ranges. 5) If this product contacts or contains with materials below: ① Organotin and other organometallic compounds ② Silicone rubber containing organotin catalyst ③ Sulfur, polysulfides, polysulfones or other sulfurcontaining materials ④ Amines, urethanes or amine-containing materials ⑤ Phosphorous or phosphorous-containing materials ⑥ Unsaturated hydrocarbon plasticizers ⑦ Acidic materials (usually organic acids) ⑧ Some solder flux residues 6) Use of these products must be based on the results of your product testing, manufacturing processes and end applications. 7) Full environmental exposure testing is recommended for all applications. 8) No adhesion. 9) All parts should be as clean and dry as possible prior to applications. 10) Use product after completely cured. 11) Keep away from ultraviolet light. 12) Do not mix product and any solvent or dilute together. 13) Wear eye protection and protective glove when handling product. 14) Maintain adequate ventilation in the work place at all times. 15) Wash thoroughly affected skin areas with mild soap and plenty of water. 16) 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. 17) Use product within shelf life. 18) Pre-test is recommended to confirm adequate cure for each application. 19) Do not swallow. 20) For industrial use only

21) No shock and vibration.

22) These products are 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.

<p>Warranty information</p>	<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. 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.</p>
<p>1'st issue</p>	<p>2017-01-10</p>
<p>Revision</p>	

※ 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

