

Product description	SL2502 is addition type silicone and suggested for mold making product for applications requiring greater dimensional stability. SL2502 is a two-component silicone liquid elastomer and will cure sufficiently in 24 hours at 25℃. To achieve faster cure speed, elevated temperatures may be used. Ex.) at 60℃ for 120min or 170℃ for 10min)
Applications	Prototype mold making Ex.) Most suitable in arts, craft, goods on the market
Key performance properties	Addition cure type silicone Excellent thermal stability High stability and flexibility at low temperature

Typical Property Data

Typical properties	UNCURED PROPERTIES	
	BASE COMPOUND	SL2502A
	Appearance	Translucent
	Viscosity (23 ℃, mPa·s)	35,000
	CURED AGENTS	SL2502B
	Appearance	Transparent
	Viscosity (25 ℃, mPa·s)	300
	CURED PROPERTIES (23℃, 24h)	
	Appearance	Translucent
	Mixing ratio (by weight)	100 : 10
	Mixed Viscosity (23 ℃, mPa·s)	22,000
	Work Pot life (min at 23℃)	60
	Density (23 ℃)	1.08
	Hardness (Type A)	40
	Tensile Strength (MPa)	5.5
	Elongation (%)	380
	Linear shrinkage	< 0.1
	Tear Strength B type (N/mm)	35
	Demold time (hours at 23℃)	12
	※ Typical property data values should not be used as specifications	
Curing process	SL2502 cure sufficiently in 24 hours at 25℃. To achieve faster cure speed, elevated temperatures may be used. Ex.) at 60℃ for 120min or 170℃ for 10min	

Storage and packaging

Shelf life and storage	When stored at or below 30℃ in the original unopened containers, product have a useable life of 12 months from the date of production. Store in a cool place(10 ~ 30℃) out of direct sunlight. Keep out of the reach of the children.
Packaging	SL2502A: 20 kg, 200 kg SL2502B: 1 kg , 20 kg

Remarks	
Handling	· During or after mixing two parts, the air entrapment should be removed under vacuum.
Precautions	· Cure reaction begins with mixing and working time is about 40 ~ 100minutes. The complete cure time is 24hours(25℃). · Curing time can be different from temperature ranges. · It may not be cure properly 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 · Use of these products must be based on the results of your product testing, manufacturing processes and end applications. · Full environmental exposure testing is recommended for all applications. · No adhesion. · All parts should be as clean and dry as possible prior to applications. · Use product after completely cured. · Keep away from ultraviolet light. · Do not mix product and any solvent or dilute together. · 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. · These products are neither tested nor represented as suitable for medical or pharmaceutical uses. · Wear eye protection and protective glove when handling product. · Maintain adequate ventilation in the work place at all times. · Wash thoroughly affected skin areas with mild soap and plenty of water. · Do not use heat, open flame, sparks or other sources of ignition. · Use product within shelf life. · For industrial use only · No shock and vibration. · Do not swallow.
Warranty information	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.

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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

