



Product description	SL8170 is a addition type of two-component, Highly transparency and highly hardness silicone rubber. The mixing ratio of Part A and Part B is 1:1 by weight. The product cures rapidly with heat.
Applications	Optical Lens, LED Lens, Head lamp, key pad, Potting and encapsulating for optical devices and others
Key performance properties	Excellent transparency Excellent injection molding capability Excellent physical properties Low viscosity

Typical Property Data

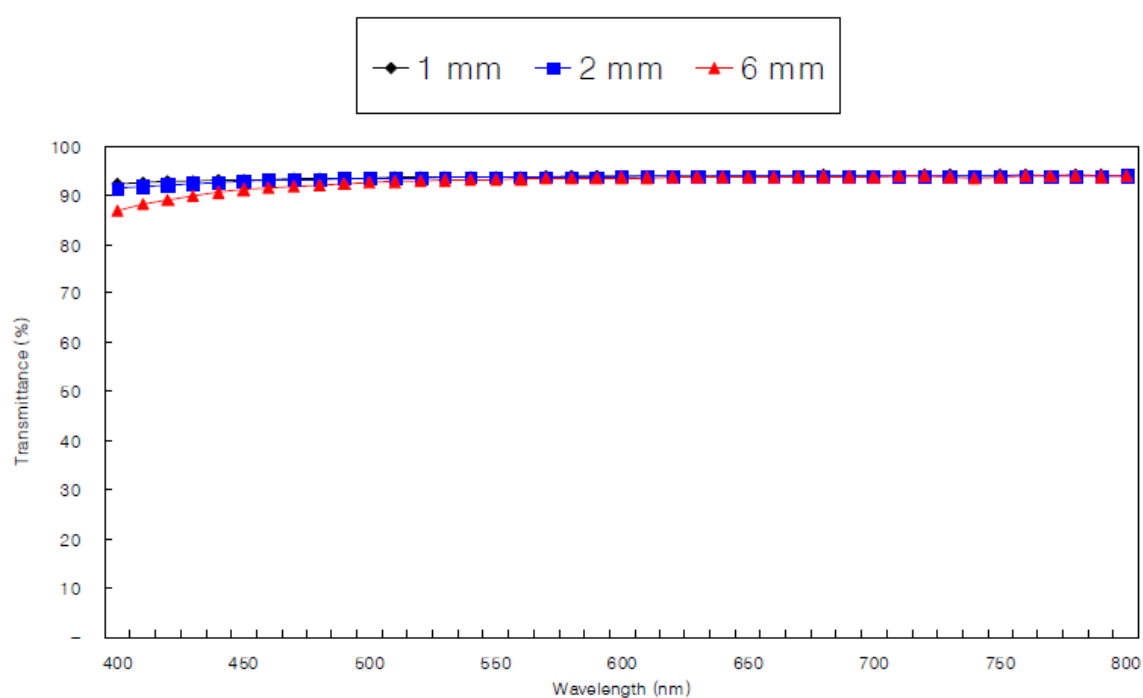
Benefits	– Excellent transparency – Low viscosity – Highly Hardness		
Typical properties	Properties	SL8170A	SL8170B
	Uncured properties		
	Color	Transparent	Transparent
	Viscosity (25℃, Pa.s) ¹⁾	63	35
	Refractive Index	1.410	
	Mixing ratio	1:1	
	Potlife (25℃, Hr)	Min. 72hr	
	Cured properties (170℃ × 10 min. in Press)		
	비중 (25℃)	1.05	
	경도 (Shore A)	70	
	인장강도 (MPa)	7	
	신율 (%)	350	
	인열강도 (N/mm, Die B type)	17	
	인열강도 (kgf/cm, Die C type)	35	

1) Rheometer, Shear rate = 10 s⁻¹

Caution) Typical property data values should not be used as specifications

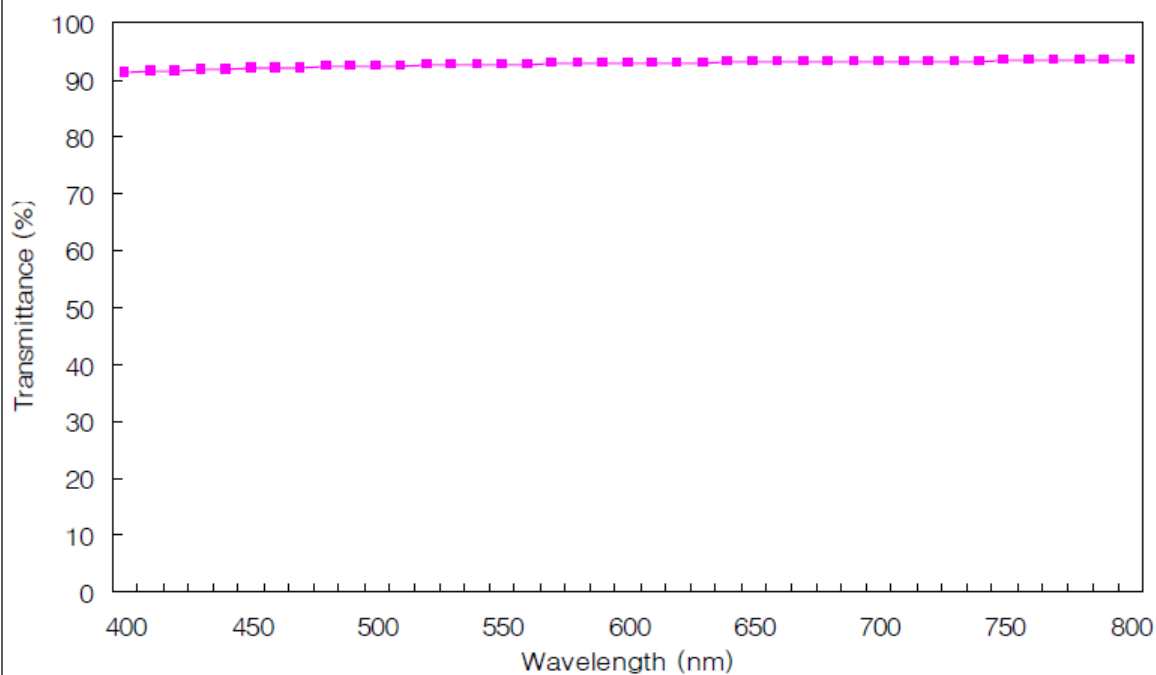
Transparency Performance

- Cured sample
- Thickness : 1, 2, 6 mm



Transparency Performance after UV radiation

- Cured sample
- Thickness : 2 mm
- UV radiation condition : 313nm * 50°C * 1000 hrs



Composition	- Silicone polymer
How to use	For making a suitable product, Mix components A and B in the ratio 1 : 1
Features	- Heat cured - Addition cure type
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	PART A : 20 kg Straight PE Pail, 200 kg Straight Drum

Remarks	
Handling	Wear eye protection and protective glove when handling this product.
Precautions	May cause a curing difficulty with amine, sulfur, organicphosphate compound, and organicmetallic compound.
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	2009-10-06
Revision	2009-11-23

※ 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

