



Product description	SL3500 is a transparent and addition type of two component silicone RTV. The mixing ratio of Part A(SL3500A) and Part B(SL3500B) is 1:1 by weight percent. It is cured under 130°C for 10min after mixed.
Applications	Nose pad Rubber application where high permeability of light is necessary
Key performance properties	<ul style="list-style-type: none"> - Anticorrosive, Heat vulcanization - Excellent electrical properties and thermal stability - High stability and flexibility at low temperature - High transparency - Excellent releasing effect

Typical Property Data

Benefits	<ul style="list-style-type: none"> - Excellent weatherability - Excellent thermal stability - High transparency 		
Typical properties	Properties	SL3500A	SL3500B
	Uncured properties		
	Appearance	Transparent , Liquid	Transparent , Liquid
	Specific gravity (25°C)	1.04	1.03
	Viscosity (as mixed, 25 °C, Pa·s) ¹⁾	45	35
	Mixing ratio	1 : 1	
	Mixing viscosity (25°C, mPa·s)	40	
	Pot life (25°C, Hour)	3	
	Cured compound (130°C × 10min, Teflon mold)		
	Specific gravity (25 °C)	1.03	
	Tensile strength (MPa)	6	
	Elongation (%)	300	
	Tear Strength (Type C, N/mm)	27	
	Hardness (Shore A)	50 ~ 60	

1) Brookfield Viscometer/ spindle no.7, 15rpm

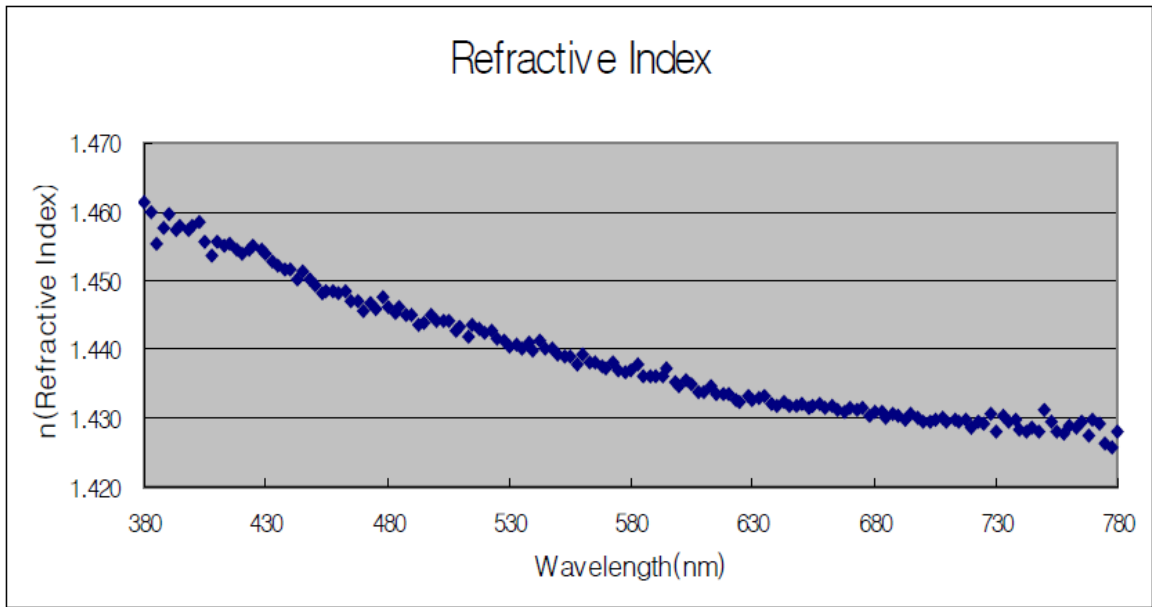
2) Cure conditions : 10 min /130 °C in press

Notice 1) Typical property data values should not be used as specifications.

<Refractive Index & Extinction Coefficient>

1. Refractive Index : 1.439 at 550nm.

2. Extinction Coefficient : 0



Measurement equipment : Spectrophotometer

Sample : Cured compound

Composition	-Modified Silica -Silicone polymer										
How to use	<p>SL3500B should be mixed into the SL3500A just before use in the amount of 100 parts SL3500A to 100 parts SL3500B by weight. For rapid curing condition, refer to the table below.</p> <p>※ SL3500(Curing time by temperature)</p> <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th>Temperature (°C)</th> <th>Curing TIME</th> </tr> </thead> <tbody> <tr> <td>25</td> <td>7~14 Days</td> </tr> <tr> <td>130</td> <td>10 min</td> </tr> <tr> <td>150</td> <td>5 min</td> </tr> <tr> <td>170</td> <td>1~5 min</td> </tr> </tbody> </table> <p>(Values above are driven by testing 1mm of test sheet which is mixed with 100g of each Part A & B under room temperature condition. There could be variations according to the size and shape of test sheet, thermal properties of substrates. Recommend to have pretest under appropriate curing condition.)</p>	Temperature (°C)	Curing TIME	25	7~14 Days	130	10 min	150	5 min	170	1~5 min
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Features	- Two component(1:1) - Curing condition(130°C, 10min) - High transparency										

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	SL3500A : 20 kg pail SL3500B : 20 kg pail

Remarks

Handling	1) Curing time can be different from temperature ranges.
Precautions	<p>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.</p> <p>3) Keep out of the reach of children. Do not swallow.</p>

- 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.

<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>2009-04-03</p>
<p>Revision</p>	<p>2011-06-30</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

