



<b>Product description</b>	SL8544-R is a two-component liquid silicone rubber which has 40 hardness (shore A). It can be cured by heating and after cure the rubber parts have good waterproof and assembly property. (Mixing ratio -A : B = 1 : 1 (wt. ratio))
<b>Applications</b>	Waterproof connector seal, wire seal, O-rings for various industries.
<b>Key performance properties</b>	Suitable for LIMS (Liquid Injection Molding System) Good waterproof and assembly property with oil bleeding Good compression set

### Typical Property Data

<b>Benefits</b>	-Proper Oil bleeding -Good compression set
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Typical properties	Properties		Test method	Unit	Press 1st cure <sup>2)</sup>
	Before curing	Appearance	PTA	ASTM E 1767	-
PTB			Milkywhite		
Viscosity <sup>1)</sup>		PTA	ASTM D 4287	Pa·s	350
		PTB		mPa·s	350
	Mixing ratio (by weight)				1:1
After curing	Appearance		ASTM E 1767	-	Milkywhite
	Pot life (25°C, Day)				3
	Specific gravity (at 25°C)		ASTM D 792	-	1.125
	Oil contents			%	4
	Hardness		ASTM D 2240	Shore A	40
	Tensile strength		DIN 53504	MPa	8.5
	Elongation		DIN 53504	%	600
	Tear strength		ASTM D 624	N/mm	40
Compression set <sup>3)</sup>		ASTM D 395	%	15	

1) Shear Rate 10 s<sup>-1</sup>

2) Sheet curing conditions : press cure at 170°C/10 min (NPC grade)

3) 22 hrs at 175°C (NPC grade)

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

<b>Composition</b>	-Silicone polymer -Silica -Silicone bleeding oil
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<b>How to use</b>	Mix components A and B in the ratio 1 : 1 (by weight)
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<b>Features</b>	-High temperature vulcanizing and addition curing LSR
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### Storage and packaging

<b>Shelf life and storage</b>	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.
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<b>Packaging</b>	PART A : 20 kg Straight PE Pail, 200 kg Straight Drum PART B : 20 kg Straight PE Pail, 200 kg Straight Drum
<b>Remarks</b>	
<b>Handling</b>	Wear eye protection and protective glove when handling this product.
<b>Precautions</b>	May cause a curing difficulty with amine, sulfur, phosphate compound, and organometallic compound.
<b>Warranty information</b>	<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.</p> <p>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.</p> <p>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.</p> <p>Suggestions of use shall not be taken as inducements to infringe any patent.</p>
<b>1'st issue</b>	2011-05-13
<b>Revision</b>	2018-01-02

※ 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](http://www.kccworld.co.kr)

