



Product description	SL8601 is a two-component liquid silicone rubber for high voltage insulator. (Mixing ratio -A : B = 1 : 1)
Applications	High Voltage Insulating (Cable end terminations, Hollowcore insulators, Insulators.)
Key performance properties	Suitable for LIMS(Liquid Injection Molding System) because of the similar viscosity of A part and B part No by-products because of addition curing LSR Excellent dielectric properties and physical properties after curing

Typical Property Data

Benefits	-Low viscosity						
	-High tear strength						
	-Excellent tracking resistance						
Typical properties	Properties			Test method	Unit	Press 1st cure ²⁾	
	Before curing	Appearance	PTA	ASTM E 1767	-	Gray	
			PTB			Translucent	
		Viscosity ¹⁾	PTA	ASTM D 4287	Pa.s	65	
			PTB			65	
		65Mixing ratio(by weight)					1 : 1
	General properties	Pot life(23 ℃, Day)					3
		Appearance			ASTM E 1767	-	Gray
		Curing time(120℃, T60)			ASTM D 5289	sec	
		Specific gravity (at 23℃)			ASTM D 792	-	1.08
		Hardness			ASTM D 2240	Shore A	42
		Tensile Strength			DIN 53504	MPa	6
		Elongation			DIN 53504	%	550
		Tear Strength			ASTM D 624	N/mm	20
	Electrical properties	Volume resistivity			ASTM D 257	Ω.cm	1x10 ¹⁵
		Dielectric strength			ASTM D 149	kV/mm	25
		Dielectric constant				-	2.9
		Dissipation factor				-	0.0003
		Tracking resistance			CEI/IEC 587	kV	1A 4.5kV
		Arc resistance				sec	420
	1) Shear Rate 10s-1						
	2) Sheet curing conditions : press cure at 170℃/10 min						
	Caution) Typical property data values should not be used as specifications						
	Composition	-Silicone polymer					
		-Silica					
	How to use	For making a suitable product, Mix components A and B in the ratio 1 : 1					

Features	-High temperature vulcanizing and addition curing LSR
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 PART B : 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
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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

