



Product description	SH7975U is a high green strength silicone rubber compound which have hardness 75 (Shore A). The compounds are designed to accept for fabricating thick or complicated products
Applications	– Turbo Charger Hose, complicated parts, thick hose
Key performance properties	– Enable to make thick extruding hose or calender sheets – Enable to make parts by the complicated Mandrel method – Excellent mechanical properties

Typical Property Data

Benefits	– Excellent process ability				– Excellent mechanical properties			
Typical properties	Properties		Unit		SH7975U			
	Uncured compound							
	Appearance		–		Transparent			
	Williams Plasticity		–		310			
	Cured compound							
	Curing agent		–		2,4-dichlorobenzoyl peroxide, 50 % paste		Dicumyl Peroxide, 98% granule	
	Content of curing agent		Phr		1.5		0.7	
	Curing condition		–		(1st cure 5 min at 120 ℃, 2nd cure 4 h at 200 ℃)		(1st cure 5 min at 120 ℃, 2nd cure 4 h at 200 ℃)	
	Mechanical properties (JIS K6249)							
	Hardness (Type A)				78		76	
	Specific gravity (25 ℃)				1.21		1.21	
	Tensile Strength		MPa		9.8		10.1	
	Elongation		%		250		280	
	Tear Strength		N/mm		24		27	
	Linear Shrinkage		%		2.4		3.8	
	Caution) Typical property data values should not be used as specifications							
	Composition	– Silicone polymer – Silica						
How to use	For blending or pigmenting, milling with two-roll mill is the most suitable Process. Milling time should be carefully decided to secure uniformity of Materials.							
Features	–High Green Strength							

Storage and packaging

Shelf life and storage	Use it within 12 months from the date of manufacture Store in a cool dry place out of direct sunlight Keep out of the reach of the children
Packaging	20 kg box, 480kg box

Remarks

Handling	– Wear eye protection and protective gloves when handling this product.
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Precautions	– Material Safety Data Sheets are available upon request from KCC.
Warranty information	Please read carefully This TDS is considered to be accurate. KCC's guarantee of the product will apply, only if conditions on TDS (limitation, notice, application) are fulfilled within expiry date. If not, KCC cannot guarantee the quality of the product. 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

