



Product description	SH2140U is heat cured silicone rubber compounds having high transparent and elongation properties, which is peroxide curing.
Applications	Baby nipple, hose, tube which are needed a transparency
Key performance properties	– Shore A hardness 40 – Excellent transparent & elongation – Excellent mechanical properties – Excellent process ability

Typical Property Data

Benefits	– Excellent transparent – Excellent elongation – Excellent mechanical properties			
Typical properties	Properties	Test Method	Unit	SH2140U
	Appearance	ASTM E1767	–	Transparent
	Williams Plasticity	ASTM D926	–	160
	Curing Condition	Curing Agent	–	KC-8
		Amounts	Phr	0.5
		Press 1st Cure	–	170°C 10min
		Oven 2nd Cure	–	200°C 4hr
	Specific Gravity	ASTM D792	–	1.12
	Hardness	ASTM D2240	Shore A	40
	Tensile Strength	ASTM D412	MPa	11.0
	Elongation	ASTM D412	%	1000
	Tear Strength	ASTM D624C	N/mm	21
	Linear Shrinkage	JIS K6249	%	4.5
	Compression Set (175°C 22hr)	ASTM D395	%	35
1) KC-8 : 2,5-dimethyl 2,5-di(t-butyl peroxy) hexane 45 % paste ※ Typical properties should not be used as specifications They are evaluated in laboratory, and can be differ from test condition.				
Composition	–Silicone polymer –Silica			
How to use	For blending or coloring, milling with two-roll mill is the most suitable process. Milling time should be carefully decided to secure uniformity of materials			
Features	– High transparent – High Elongation			

Storage and packaging

Shelf life and	– Use it within 12 months from the date of manufacture.
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storage	– Keep out of the reach of the children. – During transportation, try to avoid direct sunlight. Conditions of under 30°C with shade is commended. – If store condition is not fulfilled, the products' lifetime may be affected. Also, deterioration of the products' quality within shelf life time may occur.
Packaging	20 kg box, 480kg box
Remarks	
Handling	– Wear eye protection and protective gloves when handling this product.
Precautions	– Material Safety Data Sheets are available upon request from KCC.
Limitation	The featured product must be checked prior to use. 1) If applying to other purposes, defects can be generated. 2) If using non-suggested curing agents, its own properties can be altered. 3) If mixing with other products, degradation of properties and defects can be caused. 4) Additives or pigments must be used under technical support of KCC. 5) If it's first use, product must be applied after technical suggestion and assistance of KCC. Any other inquiries or methods of use can be found on KCC webpage and enquired technical support team at KCC.
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

