



Product description	SH9171U is a long life cycle silicone rubber compound which have hardness 70(Shore A) in the cured state. It can be used for manufacturing silicone rubber products having excellent fatigue resistance.
Applications	Long life Key pad etc
Key performance properties	- Excellent process ability - Well balanced physical properties - Excellent fatigue resistance

Typical Property Data

Benefits	- Excellent durability - High fluidity - Good roll workability			
Typical properties	Properties	Test Method	Unit	SH9171U
	Appearance	ASTM E1767	-	Translucent
	Williams Plasticity	ASTM D926	-	210
	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	-	1.15
	Hardness	ASTM D2240	Shore A	70
	Tensile Strength	ASTM D412	MPa	9.5
	Elongation	ASTM D412	%	320
	Tear Strength	ASTM D624C	N/mm	36.5
	Linear Shrinkage	JIS K6249	%	4.0
	Fatigue Resistance	ASTM D4482	-	1,000,000
	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	- Long life cycle silicone rubber			

Storage and packaging

Shelf life and storage	- Use it within 12 months from the date of manufacture. - 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.
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Packaging	20 kg box, 480kg box
Remarks	
Handling Precautions	– Wear eye protection and protective gloves when handling this product. – Material Safety Data sheets are available upon request from KCC.
Limitation	The featured product must be checked prior to use. 1) This product cannot work with addition curing agent. 2) If applying to other purposes, defects can be generated. 3) If using non-suggested curing agents, its own properties can be altered. 4) If mixing with other products, degradation of properties and defects can be caused. 5) Additives or pigments must be used under technical support of KCC. 6) 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 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

