



Product description	SH0070U is general purpose type heat cured compounds for compression molding
Applications	O-ring, Gasket, Sheets, Key pad
Key performance properties	- Excellent process ability - Well balanced physical properties - 70 durometer grade available

Typical Property Data

Benefits	-Excellent process ability -Excellent mold releasing ability -Excellent mechanical properties			
Typical properties	Properties	Test Method	Unit	SH0070U
	Appearance	ASTM E1767	-	Light grey
	Williams Plasticity	ASTM D926	-	240
	Curing Condition	Curing Agent	-	1) KC-8
		Amounts	Phr	0.5
		Press 1st Cure	-	170℃ 10min
		Oven 2nd Cure	-	200℃ 4hr
	Specific Gravity	ASTM D792	-	1.30
	Hardness	ASTM D2240	Shore A	70
	Tensile Strength	ASTM D412	MPa	8.1
	Elongation	ASTM D412	%	220
	Tear Strength	ASTM D624C	N/mm	18.9
	Linear Shrinkage	JIS K6249	%	3.8
	Resilience	ASTM D1054	%	49
	Compression Set (175℃ 22hr)	ASTM D395	%	14
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	General-purpose 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℃ with shade is commended. - If store condition is not fulfilled, the products' lifetime may be affected. Also, deterioration of the
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	products' quality within shelf life time may occur.
Packaging	20 kg box
Remarks	
Handling Precautions	– Wear eye protection and protective gloves when handling this product. – MATERIALS TO AVOID : Oxidizing material can cause a reaction. Water, alcohols, acidic, citric acid or basic materials, and many materials or metallic compounds, when in contact with product, liberate flammable hydrogen gas, which can form explosive mixtures in air. HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS Carbon monoxide, carbon dioxide, silicon dioxide, formaldehyde HAZARDOUS POLYMERIZATION : Hazardous polymerization will not occur.
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 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.
1'st issue	2009-03-01
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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

