



Product description	SH1674U is a white flame retardant silicone rubber compound which has hardness 70±5(Shore A) in the cured state. It can be used for manufacturing silicone rubber products having flame retardant or self-extinguishing properties.
Applications	LCD, PDP Backlight holder etc. flame retardant rubber parts
Key performance properties	– Good flame retardant properties

Typical Property Data

Benefits	– Outstanding flame retardancy – Flame retardants			
Typical properties	Properties	Test Method	Unit	SH1674U
	Williams Plasticity	ASTM D926	–	360
	Curing Condition	Curing Agent	–	KC-2
		Amounts	Phr	1.5
		Press 1st Cure	–	120°C 5min
		Oven 2nd Cure	–	200°C 4hr
	Specific Gravity	ASTM D792	–	1.72
	Hardness	ASTM D2240	Shore A	79
	Tensile Strength	ASTM D412	MPa	4.35
	Elongation	ASTM D412	%	116
	Tear Strength	ASTM D624C	N/mm	12.7
1) KC-2 : 2,4-dichlorobenzoyl peroxide 50% 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	– White Flame-retardant Silicone Elastomer			

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.
Packaging	20 kg 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. – Curing reaction in room temperature may occur when mixing with a product which has polymer with hydrogen functional group without retarder. This phenomenon cannot be limited to our product. It can be occurred when mixing with other companies' products.
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
Revision	2015-08-01

※ 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

