

Product description	SH1175U is general-purpose extrudable silicone rubber stocks which has durometers of 70. The compounds is designed to accept moderate to high levels of reinforcing or extending fillers and additives for property variation. They can be blended with each other in any proportion to achieve intermediate shore hardness.
Applications	Extrusions seals, sheets, tubing and profiles
Key performance properties	Simplicity and accuracy in compounding Formulation versatility to achieve and use requirements Easily compounded and fabricated using conventional techniques

Typical Property Data				
Benefits	– Good processability – Good mechanical properties			
Typical properties	Properties	Test Method	Unit	SH1175U
	Williams Plasticity	ASTM D926	–	244
	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	–	1.575
	Hardness	ASTM D2240	Shore A	80
	Tensile Strength	ASTM D412	MPa	5.88
	Elongation	ASTM D412	%	168
	Tear Strength	ASTM D624C	N/mm	16.6
	Linear Shrinkage	JIS K6249	%	–
	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	– General-purpose extrudable 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.
Packaging	20 kg box

Remarks	
Handling	– Wear eye protection and protective gloves when handling this product.
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

