

Electrically conductive
Silicone elastomer

SH6570U



FEATURES

- High electrically conductive
- Low volume resistivity

BENEFITS

- Excellent conductivity
- Excellent process ability
- Good electrical and mechanical properties

COMPOSITION

- Silicone polymer
- Carbon black

1. Product Description

SH6570U is electrically conductive type heat cured compounds for press molding, which are peroxide curing.

2. Applications

Cable, conductive contacts, keypad, sheet and roller, etc

3. Key Performance Properties

Excellent conductivity
Excellent electrical and mechanical properties
Excellent process ability

4. Typical Property Data

	SH6570U
Uncured compound	
Appearance	Black
Williams plasticity (25 °C)	620
Cured compound (1st cure 10 min at 170 °C, 2nd cure 4 hours at 200 °C)	
Curing agent	2,5-dimethyl-2,5-t-butylhexane peroxide 45 %, paste
Content of Curing agent phr	1.5
Mechanical properties (JIS K6249)	
Specific gravity (25 °C)	1.19
Hardness (Type A)	71
Volume resistivity Ω.cm	5.0
Tensile strength MPa	6.5
Elongation %	150
Tear strength N/mm	21
Linear shrinkage %	3.9

Caution) Typical property data values should not be used as specifications

Electrically conductive
Silicone elastomer

SH6570U



5. How to use

For blending or pigmenting, milling with two-roll mill is the most suitable Process. Milling time should be carefully decided to secure uniformity of Materials.

6. Handling Precautions

Wear eye protection and protective glove when handling this product

7. Safety and Storage

Use it within 12 months from the date of manufacture

Store in a cool dry place out of direct sunlight

Keep out of the reach of the children

8. Packaging

20 kg box

9. 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.

10. The date of issue

The first of issue : 2009.03.01

The revised of issue : 2009.04.01 (1st)

※ 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