

No Post Cure
Silicone elastomer

SH2580U



FEATURES

No post cure

BENEFITS

- Excellent heat resistance
- Excellent low compression set
- Excellent mechanical properties

COMPOSITION

- Silicone polymer
- Silica

1. Product Description

SH2580U is one of the series of no post cure general purpose and high modulus silicone rubber bases

2. Applications

Extrusion, tubing and profiles
Molding, Calendering and Sheeting

3. Key Performance Properties

Heat and reversion stabilized
80 durometer grade available
Good resistance to fluids.
High elasticity and very low compression set.

4. Typical Property Data

		SH2580U
Uncured compound		
Appearance		White Beige
Williams Plasticity		260
Cured compound (1st cure 10min at 170 °C)		
Curing agent		2,5-dimethyl-2,5-t-butylhexane peroxide
Content of Curing agent phr		1.0
Mechanical properties (JIS K6249)		
Specific gravity(25 °C)		1.43
Hardness (Type A)		82
Tensile strength	Mpa	8.3
Elongation	%	140
Tear strength	N/mm	18
Compression set	%	10
Linear shrinkage	%	3.2
Heat aged compound (250°C 72hr)		
Hardness (Type A)		86
Tensile strength	Mpa	60
Elongation	%	70

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

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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.

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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