

Silicone Rubber Base for Super High Tear Strength HR-NS-55U

57 Shore A, High Tear Strength, uncatalized HCR Base

Typical Properties

; These values are not specification of the product

; Catalyst HC-8 1.8phr (2,5 Dimethyl, 2,5(t-butylperoxy) hexane 25%)

; Curing at 171 °C X 10min

◦ Features

- Excellent Mechanical Strengths
- Superior Tear Strength
- High modulus
- Easy to blend color pigments

◦ Application

- Extrusion and molding
- Calendering and Sheeting
- Automotive Parts

Property	Test Method	Unit	Value
Color	Visual		Translucent
Williams's Plasticity	ASTM D 926		200
Specific Gravity	ASTM D 792		1.13
Hardness	ASTM D 2240	Shore A	57
Tensile Strength	ASTM D 412	MPa	10
Elongation	ASTM D 412	%	720
Tear Strength	ASTM D 624 (B)	kgf/cm	50
Rebound Resilience	JIS K 6255	%	50
Compression Set ¹	ASTM D 395	%	30
Properties after heat aging at 200 °C X 70 hrs			
Hardness Change			+6
Tensile Strength Change		%	- 20
Elongation Change		%	-25

1. Aging condition for Compression Set: 177 °C X 22hrs

◦ Packing

- 20kg in a carton box

◦ Pigmentation

- This product can be pigmented to various colors with HRS color master batches

◦ Storage and Shelf-life

- If this product stored at or below 45 °C in the undamaged original packing, it can be used 12 months from the date of production

◦ Limitation

- The use of this product and the way of fabrications are totally beyond our control, so we strongly recommend customers to thoroughly test and decide the suitability of this product before use
- Any guideline for use in this technical data sheet should not be regarded as a guarantee of quality
- This product is neither tested or recommended for suitable for medical and pharmaceutical uses

◦ Safe Handling

- Please refer to SDS of this product

Silicone Rubber Base for Super High Tear Strength HR-NS-75U

75 Shore A, High Tear Strength, uncatalized HCR Base

Typical Properties

; These values are not specification of the product

; Catalyst HC-8 1.8phr (2,5 Dimethyl, 2,5(t-butylperoxy) hexane 25%)

; Curing at 171 °C X 10min

◦ Features

- Excellent Mechanical Strengths
- Superior Tear Strength
- High modulus
- Easy to blend color pigments

◦ Application

- Extrusion and molding
- Calendering and Sheeting
- Automotive Parts

Property	Test Method	Unit	Value
Color	Visual		Translucent
Williams's Plasticity	ASTM D 926		260
Specific Gravity	ASTM D 792		1.17
Hardness	ASTM D 2240	Shore A	74
Tensile Strength	ASTM D 412	MPa	9.0
Elongation	ASTM D 412	%	600
Modulus (100%)		MPa	34
Tear Strength	ASTM D 624 (B)	kgf/cm	49
Rebound Resilience	JIS K 6255	%	50
Compression Set ¹	ASTM D 395	%	32
Properties after heat aging at 200 °C X 70 hrs			
Hardness Change			+4
Tensile Strength Change		%	- 11
Elongation Change		%	- 30

1. Aging condition for Compression Set: 177 °C X 22hrs

◦ Packing

- 20kg in a carton box

◦ Pigmentation

- This product can be pigmented to various colors with HRS color master batches

◦ Storage and Shelf-life

- If this product stored at or below 45 °C in the undamaged original packing, it can be used 12 months from the date of production

◦ Limitation

- The use of this product and the way of fabrications are totally beyond our control, so we strongly recommend customers to thoroughly test and decide the suitability of this product before use

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