

Liquid Silicone Rubber for O/A Roll HR-LSI-DR-25

25 Shore A, Development Rollers, 2 parts, 1 to 1 mixing

Features

- Low hardness
- Very low compression set
- Good heat stability
- Electrical conductivity

Application

- Molding/ injection molding
- Development Rollers

Typical Properties

; These values are not specification of the product
; Curing at 171°C X 10min / Post Curing at 200°C X 4hrs

Property	Test Method	Unit	Value
Color	Visual		Black
Viscosity (Parts A / B)	Rheometer (10/s)	Pa.s	145 / 150
T-10 / T-90 (110°C)	DMR-2000	sec.	180 / 360
Specific Gravity	ASTM D 792		1.15
Hardness	ASTM D 2240	Shore A	26
Tensile Strength	ASTM D 412	MPa	2.5
Elongation	ASTM D 412	%	180
Volume Resistivity	JIS K 6249	Ohm,cm	1000
Compression Set ¹	ASTM D 395	%	7
Rebound Resilience	JIS K 6255	%	75

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

Packing

- 20kg in a plastic pail or 200kg in a steel drum

Storage and Shelf-life

- If this product stored at or below 35°C in the undamaged original packing, it can be used 9 months from the date of production

Inhibition Materials

- The cure mechanism of this product can be inhibited by amines, sulfurs, tin complexes and some peroxides. Therefore, special caution is strongly recommended during the whole working process.

How to use

- The curing time is dependent on the thickness of final products and curing temperature applied. Post curing is recommended in most cases

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

Pot Life

- When parts A and B are mixed the mixture will remain usable for about 72 hours at 25°C. However, we recommend customers to use the mixture as soon as possible after mixing.

Safe Handling

- Please refer to SDS of this product

Liquid Silicone Rubber for O/A Roll HR-LSI-DR-30

30 Shore A, Development Rollers, 2 parts, 1 to 1 mixing

◦ **Features**

- Low hardness
- Very low compression set
- Good heat stability
- Electrical conductivity

◦ **Application**

- Molding/ injection molding
- Development Rollers

Typical Properties

; These values are not specification of the product
; Curing at 171°C X 10min / Post Cuing at 200°C X 4hrs

Property	Test Method	Unit	Value
Color	Visual		Black
Viscosity (Parts A / B)	Rheometer (10/s)	Pa.s	80 / 80
T-10 / T-90	DMR-2000	sec.	90 / 300
Specific Gravity	ASTM D 792		1.24
Hardness	ASTM D 2240	Shore A	30
Tensile Strength	ASTM D 412	MPa	2
Elongation	ASTM D 412	%	200
Volume Resistivity	JIS K 6249	Ohm,cm	1000
Compression Set ¹	ASTM D 395	%	7

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

◦ **Packing**

- 20kg in a plastic pail or 200kg in a steel drum

◦ **Storage and Shelf-life**

- If this product stored at or below 35°C in the undamaged original packing, it can be used 9 months from the date of production

◦ **Inhibition Materials**

- The cure mechanism of this product can be inhibited by amines, sulfurs, tin complexes and some peroxides. Therefore, special caution is strongly recommended during the whole working process.

◦ **How to use**

- The curing time is dependent on the thickness of final products and curing temperature applied. Post-curing is recommended in most cases.

◦ **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

◦ **Pot Life**

- When parts A and B are mixed the mixture will remain usable for about 72 hours at 25°C. However, we recommend customers to use the mixture as soon as possible after mixing.

◦ **Safe Handling**

- Please refer to SDS of this product

Liquid Silicone Rubber for O/A Roll HR-LSI-PR-15

15 ASKER C, Pressure Rollers, 2 parts, 1 to 1 mixing

◦ **Features**

- Low hardness
- Color coming from Red Iron Oxide
- Very low compression set
- Good heat stability

◦ **Application**

- injection molding
- Pressure Rollers
- Heat Rollers

Typical Properties

- ; These values are not specification of the product
- ; Curing at 171°C X 10min / Post Cuing at 200°C X 4hrs

Property	Test Method	Unit	Value
Color	Visual		Red Brown
Viscosity (Parts A / B)	Rheometer (10/s)	Pa.s	100 / 100
T-10 / T-90 (110 °C)	DMR-2000	sec.	120 / 330
Specific Gravity	ASTM D 792		1.24
Hardness	ASTM D 2240	ASKER C	16
Tensile Strength	ASTM D 412	MPa	0.9
Elongation	ASTM D 412	%	350
Compression Set ¹	ASTM D 395	%	5

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

◦ **Packing**

- 20kg in a plastic pail or 200kg in a steel drum

◦ **Storage and Shelf-life**

- If this product stored at or below 35°C in the undamaged original packing, it can be used 9 months from the date of production

◦ **Inhibition Materials**

- The cure mechanism of this product can be inhibited by amines, sulfurs, tin complexes and some peroxides. Therefore, special caution is strongly recommended during the whole working process.

◦ **How to use**

- The cuing time is dependent on the thickness of final products and curing temperature applied. Post-curing is recommended in most cases.

◦ **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

◦ **Pot Life**

- When parts A and B are mixed the mixture will remain usable for about 72 hours at 25°C. However, we recommend customers to use the mixture as soon as possible after mixing.

◦ **Safe Handling**

- Please refer to SDS of this product