

High Heat Resistant Silicone Rubber

X-30-3888-U, X-30-4574-U

Millable Molded Silicone Rubber Excellent in Rubber Properties in High Temperature

High heat resistance

Compression molding

Extrusion molding

Colorability

Wide range rubber hardness

UL94HB equivalent



Features

- Even in a high temperature 250-300 degrees, the physical property change is small and hardly deteriorated.
- It has extremely high heat resistance and can be used at 350 degrees for short periods of time.
- Wide lineup of hardness up to 40-80.

Applications

Hoses, tubes, electric wires, gaskets, and other rubber parts that require high heat resistance



General properties

Grade		High heat resistant product	Colorable high heat resistant product	Conventional product
Product name		X-30-3888-U	X-30-4574-U	KE-552D-U
Appearance		Dark brown	Ivory	Pale yellow
Plasticity		264	250	—
Curing agent	Curing agent name	C-23N	C-23N	C-23N
	Standard addition quantity	1.3	1.3	1.3
Standard molding condition	Primary cure	120°C × 10 min	120°C × 10 min	120°C × 10 min
	Post cure	150°C × 1 h	150°C × 1 h	150°C × 1 h
Hardness		55	57	60
Density at 23°C g/cm ³		1.19	1.15	1.15
Tensile strength MPa		9.1	8.5	9.3
Elongation at break %		360	310	310
Heat resistant 300°C × 72 h	Hardness change	±0	+2	+15
	Tensile strength change %	66	70	51
	Retention of elongation at break %	85	90	30
Rubber hardness lineup Durometer A		40 - 80	40 - 80	—

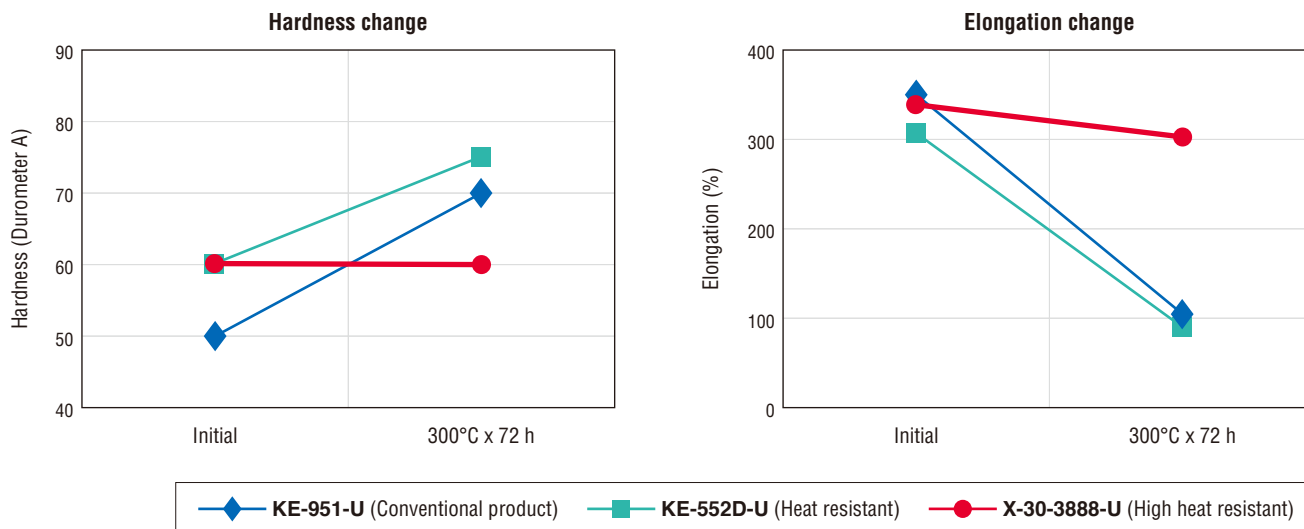
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Test result

The high heat resistant silicone rubber compound X-30-3888-U has little change in hardness, elongation, and the like even in a high temperature range of 300 degrees.



* This value is not a specification value or guaranteed value.

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Handling precautions

1. Silicone rubber may react with strong oxygen agents.
2. Uncured substance generates silica. Please handle with caution.

Safety and hygiene

1. This product causes serious eye irritation and may cause skin irritation. When handling the product, be sure to avoid contact with the skin and mucous membranes by wearing protective glasses and protective gloves. In case of skin contact, immediately wipe off with dry cloth and then flush thoroughly with running water. In case of accidental eye contact, flush immediately with plenty of clean water

for at least 15 minutes and then seek medical attention. Contact lens wearers must take special care. If the products get into the eye, the contact lens may become stuck to the eye.

2. In a confined space with poor ventilation, please wear a protective mask. It is recommended to provide local ventilation. If vapors are inhaled and victims feel uncomfortable, move immediately to an area with fresh air. When you put non-hardening substance into the discard, silica and other powder generate. So you should wear a protective mask.
3. Keep out of reach of children.
4. Please read the Safety Data Sheets (SDS) before use. SDS can be obtained from our Sales Department.

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