

High Transparent LIMS (Liquid Silicone Rubber Injection Molding System)

KE-2061 Series, KE-2062 Series, X-34-4368-A/B

High transparency LIMS with excellent optical transmittance

High transparency	Heat resistance	Weather resistance
Design flexible	Reduced LMW siloxane	UL94HB equivalent



Features

- Highly transparent molding material with flexibility and heat and weather resistance.
- Light weight, design flexibility, and high complexity transparent materials can be molded.

Applications

Rubber parts that require transparency, such as headlamps and LED lighting



General properties

Grade		High transparency		High transparency, high viscosity		Undercut
Product name		KE-2061-60-A/B	KE-2061-70-A/B	KE-2062-60-A/B	KE-2062-70-A/B	X-34-4368-A/B
Standard molding condition	Primary cure	120°C x 10 min	120°C x 10 min	120°C x 10 min	120°C x 10 min	120°C x 10min
	Post cure	150°C x 1 h	150°C x 1 h	150°C x 1 h	150°C x 1 h	150°C x 1h
Hardness Durometer A		59	70	59	69	71
Density at 23°C g/cm ³		1.04	1.05	1.04	1.05	1.07
Tensile strength MPa		7.3	11.0	9.0	9.6	10.0
Elongation at break %		180	98	130	120	97
Tear strength Crescent kN/m		9	10	5	6	7
Light transmittance 2 mm %		95	95	95	95	95
Refractive index 25°C		1.41	1.41	1.41	1.41	1.41
HAZE 2 mm %		2	2	2	2	2
Rubber hardness lineup Durometer A		30 - 90		30 - 90		70

(Not specified values)

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Compared with other highly transparent materials, they are lightweight, flexible, and heat resistant.

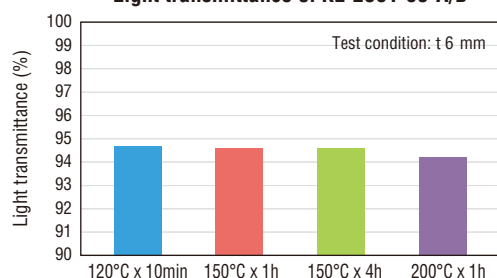
General properties

Parameter	Material	KE-2061-A/B	Glass	PC	Acryl
Light transmittance	%	95	91	89	93
Density at 23°C	g/cm ³	1.04	2.50	1.20	1.10
Operating temperature	°C	200	> 200	120	80
Weather resistance		○	○	×	△
Flexibility		○	×	×	×

(Not specified values)

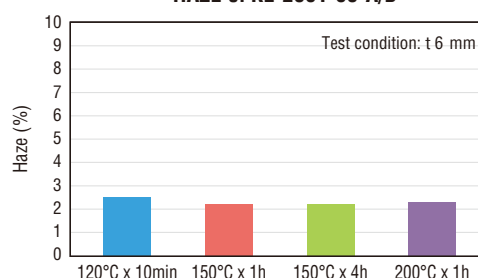
It maintains excellent transparency even under high heat.

Light transmittance of KE-2061-60-A/B



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

HAZE of KE-2061-60-A/B



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

Handling precautions

1. Seal container tightly and store in a cool, dark place (25°C or below, out of direct sunlight) with good ventilation. Keep away from heat and flame because the primers used may be classified as flammable hazardous materials.
2. LIMS liquid silicone rubbers may not cure properly if they come in contact with certain substances, including amines, sulfur, organophosphorus compounds and organotin compounds. If there is a possibility of curing inhibition, the user should perform a test to determine whether the product will cure properly.

Some curing inhibitors

- Chloroprene and other synthetic rubbers
- Amine-cure epoxies
- Sulfur compounds
- PVC insulating tape
- Soft PVC
- Soldering flux that contains rosin

3. Mixing Liquid B with alkaline substances produces flammable hydrogen gas, so 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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