



## XHG-6120 Liquid Silicone Rubber

### Features

XHG-6120 is a two-component liquid silicone rubber for injection molding processes. It can be handled with high efficiency, no flash and low energy requirement. The rubber articles made with XHG-6120 is of good transparency and good for food contact purpose. This product complies with FDA and RHOS regulations.

### Typical Applications

- baby nipples
- pacifiers
- common rubber articles

### How To Use

A static metering and mixing unit is recommended to feed the mixture of part A and part B in the ratio 1:1 to the injection molding machine. If air bubbles are entrapped during mixing, the mixture must be thoroughly degassed under vacuum. The standard curing temperature is 120-150°C and the curing time also depends on the thickness of rubber products.

### Typical Properties

Property	Unit	Value
<b>As supplied</b>		
Appearance		Translucent
Solids content	%	100
Viscosity	Pa.s	1500
<b>Physical properties: 2mm thickness slabs molded 8 minutes at 150°C</b>		
Hardness	shore A	40
Tensile strength	MPa	8.0
Tear strength	kN/m	20.0
Elongation	%	600
<b>Curing Properties: 5 minutes at 150°C</b>		
T10	s	11.0
T90	s	30.0

The values are not intended for use in preparing specifications.

## **Processing**

- Please exactly control the mixing ratio of part A and part B, otherwise curing process and product properties may be affected.
- The curing time, which depends on curing temperature and the thickness of rubber products, should be adjusted to meet the production needs.
- Please strictly avoid the contact with certain materials such as amines, sulfur, phosphor and tin, which will adversely affect the curing process or even result in no curing.

## **Packaging**

20kg PE lined plastic pails or 200kg PE lined metal drums.

## **Storage and transportation**

- Keep in cool and well ventilated place from rain, moisture and sunlight. When stored in the original unopened containers, this product has a shelf life of 6 months from the date of manufacture. The containers should be sealed tightly after use.
- This product can be shipped as non-hazardous goods. Avoid fall, upside down and collision with hard objects during transportation.