



## TECHNICAL DATA SHEET

**CAS-35xxA/B series is a two-part liquid silicone rubber (LSR) with a mixing ratio of 1:1, specifically developed for high transparency and high-strength applications. It is suitable for injection molding and compression molding.**

### Characteristic

1. High transparency
2. Excellent mechanical strength
3. Short curing cycle
4. Easy to process and pigment
5. Stable viscosity for consistent molding performance

### Application

1. LED encapsulation
2. Eyeglass nose pads
3. Cups
4. Earphone covers

### Basic performance

The following values are not used as specifications, but only as reference indicators.

Property	Test Method	CAS-3530A/B	CAS-3540A/B	CAS-3550A/B	CAS-3560A/B
Appearance	Visual	Transparent	Transparent	Transparent	Transparent
Viscosity (Pa·s)	GB/T10247-2008	105	105	85	55
Hardness (Shore A)	GB/T531.1-2008	30	40	50	60
Density (g/cm <sup>3</sup> )	GB/T533-2008	1.01	1.01	1.01	1.01
Tensile Strength (MPa)	GB/T528-2009	4.2	4.7	6.2	7.2
Elongation (%)	GB/T528-2009	155	175	225	155
Tear Strength (kN/m)	GB/T529-2008	12.5	14.5	20.5	18.5
Linear Shrinkage (%)	Internal Test	2.1	2.1	2.1	2



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Light Transmittance (%)	Internal Test	94	94	94	94
Refractive Index	Internal Test	1.41	1.41	1.41	1.41

## Curing

Recommended curing conditions: 130°C for 5 minutes. Actual curing times may vary depending on product thickness and processing conditions.

## Operation

1. Mix CAS-35A and CAS-35B components thoroughly at a ratio of 1:1.
2. Use metering and mixing equipment that prevents air entrapment.
3. Degas thoroughly if air bubbles are introduced during mixing.

## Product safety message

Please contact the sales representative of Newsil to obtain the relevant material safety data sheet, and please read the material safety data and product identification label carefully before using the product to prevent harm to yourself and the environment.

## Package

20 kg / barrel, standard metal barrel.

200 kg / barrel, the standard metal barrel.

## Storage and shelflife

Storage temperature -5~25°C, humidity ≤65%

Expiration: 12 months

## Use restrictions

This product has not been tested and can not be used for medical or medicinal purposes.

## Limited warranty message

The information provided in this document is honest and accurate. However, since the conditions and methods of actual use of the product are beyond our control, the tests conducted by the customer for end use are not covered by this information.