

# TECHNICAL INFORMATION



No. 777 Kang Yuan Road, Xiang Cheng  
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## HR-1104(AB)

### (Guidelines for Use of LED Patch Packed Silicone)

#### ·Application

-Suitable for SMD patch bead packaging.



#### ·HR-1104(AB) DATA

ITEM		HR-1104(AB)
PRE-CURE	Appearance	A:colorless transparent liquid/ B: slightly turbid liquid
	Specific gravity (g/cm <sup>3</sup> )	A/B : 1.08
	Viscosity (25 °C)mPa.s	A:30000±3000 / B:2800±300
	Viscosity after mixing (25 °C)mPa.s	2200 ± 500
CURE	Mixing ratio (weight)	A : B = 1 : 4
	Time to use (25 °C)	> 8Hr
	Cure condition	80~100°C*1Hr + 150°C*3Hr
AFTER CURE	hardness (Shore A)	45
	Transmittance (450nm,1T)	> 98
	Refractive index	1.54
	Characteristic	After curing, it has good physical properties and can be used in -50~200°C.After 7days of strengthening test at 180°C, it has the characteristics of non-cracking, non-hardening, high light transmittance, good thermal stability, low stress, non-yellowing, low moisture absorption and so on

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## **Guidelines for Use**

-Before applying glue, remove moisture from the stand at 150°C for 2 hours and apply glue within 2 hours. Mix and stir the A and B glue according to the above proportion, and then remove the bubble by centrifugal defoaming machine. Then bake and solidify in stages by referring to the recommended curing conditions.

## **Storage Conditions and Expiration Date and Packaging Specification**

-The A/B components were stored separately at room temperature in a cool, dry place with a shelf life of 3 months. 0.5kg/bottle 1kg/bottle.

## **Points to Note**

\*Beads must be dehumidified before reflow welding:

① If cured beads are stored for more than 12 hours, high temperature before Braiding Dehumidification at 150°C for 3 hours or more.

② Beads that have been braided should be dehumidified at 60~70°C for 24 hours if stored for more than 12 hours.

\*Prohibition of contact with compounds containing elements N, P, S, etc., or organic substances containing unsaturated bonds such as alkynes, and Heavy Metal Ionic Compounds such as Sn, Pb, Hg, Bi, As.

\*Our silicone products are all developed for general industrial use. Due to different equipment, materials and operations, we can't make a single product. Please make sure to test thoroughly before using it, and then decide the best way to use it.

\*All of the above listed silicone products should be imported and exported by the customer. Please check the relevant regulations of each country and region in advance.