

TECHNICAL INFORMATION



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HR-1105(AB)

(Guidelines for Use of LED Patch Packed Silicone)

·Application

-.Suitable for SMD patch bead packaging.

·HR-1105(AB) DATA

| ITEM | | HR-1105(AB) |
|------------|---------------------------------------|---|
| PRE-CURE | Appearance | A : colorless transparent liquid / B : colorless transparent liquid |
| | Specific gravity (g/cm ³) | A/B : 1.08 |
| | Viscosity (25℃)mPa.s | A:15000±2000 / B:2000±500 |
| | Viscosity after mixing (25℃)mPa.s | 2500 ± 500 |
| CURE | Mixing ratio (weight) | A : B = 1 : 10 |
| | Time to use (25℃) | > 8Hr |
| | Cure condition | 80~100℃*1Hr + 150℃*3Hr |
| AFTER CURE | hardness (Shore A) | 65 |
| | Transmittance (450nm,1T) | > 92 |
| | Refractive index | 1.53 |
| | Characteristic | After curing, it has good physical properties and can be used in -50℃~200℃.After seven days of strengthening test at 180℃, 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 the curing conditions were recommended and baked in stages.

.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. 0.5 kg/bottle 1 kg/bottle.

.Points to Note

*Be sure to dehumidify the SMD bead before reflowing :

- ①If the cured beads are stored for more than 12 hours, heat them up before weaving. Dehumidification at 150°C for 3 hours or more.
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*Prohibition of contact with compounds containing elements N, P, S, etc., or organic substances containing unsaturated bonds such as alkynes during storage and use, and An ionic compound of heavy metals 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. Other circumstances as a guarantee, please make sure to conduct a comprehensive test before using, and then decide on the best way to use.

*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.