

CAROL YOUNG CORPORATION

5F-1, NO. 60, PA TEH ROAD, SEC. 2, TAIPEI, TAIWAN, R. O. C.

TEL:(886 2)2751-4190 FAX:(886 2)2751-8800

E-MAIL: carol.youngco@msa.hinet.net , carolyc@ms10.hinet.net

RAY-8636

Additional two component type Silicone Rubber/Gel for LED ,IC Encapsulating / Packageing use

Code No. RAY-8636 in 1: 1 ratio

Introductions :

Due to the energy saver, best brightness and higher powder LEDs was applied on very field,as general illumination backlight for LCD, and Automotive light. In encapsulation epoxy resin can not stand heat cycle on applications?A new product Silicone rubber ,which had heat and weather resistant ,could be apply on electric circles and LEDs used.

Uncured properties :

RAY8636-A

viscosity: **1200 cps**

special gravity 1.01

appearance transparency

RAY8636-B

viscosity : **1500 cps**

special gravity 1.01

appearance transparency

Properties after cured :

Volume resistivity: > **1.0×10^{15} ohm-cm**

Dielectric strength: > 20 Kv/mm

Color :colorless

Refraction : 1.41

Transmittance%: 95%

Hardness Shore : 70 (ShoreA)

Lost on heat : < 0.1%

Tension strength : 12. kg/cm²

Shrinkage: 0.2%

Operation process :

weight : Take RAY8636- A and RAY8636- B by 1:1 (weight ratio).

Defoaming place the mixture in vacuum vessel.and kept vacuum lower than 500 mg Hg.

Filler : Be careful pouring silicone to the container, avoid occur bubble

Harden : Preheating 100 oC X 50 min. then Curing 150oC X 240 min.

Products are MADE IN TAIWAN