

# EPDM30

## Non-Silicone Two-Part Thermal Conductive Adhesive

LiPOLY EPDM30 is a silicone-free two-part liquid gap filler, with high viscosity and good adhesion, it can be fast cured at room temperature or elevated temperature. With a thermal conductivity of 3.0 W/m\*K, EPDM30 provides high thermal conductivity and low thermal impedance. It is ideally suited for dispensing using the dispensing robot or by syringe.

#### **FEATURES**

- / Thermal conductivity: 3.0 W/m\*K
- / Can be applied with dispenser
- / Room Temperature curing or heating curing
- / Low compression stress during assembly
- / Excellent adhesion to metal & PCB

#### TYPICAL APPLICATION

- / Electronic components: IC \ CPU \ MOS \ Mother Board \ Wireless Hub Telecom Device \ Automotive electronics \ Computer and peripherals
- / Between any heat-generating component and a heat sink.

#### **CONFIGURATIONS**

- / Cartridges:50ml, 400ml
- / Other special and custom sizes are available upon request

#### PRESERVATION

It can be preserved for 24 months under the condition of unopened and under room temperature 25°C.

#### PLEASE NOTE

- / It is recommended to preheat the material to 40°C for 20 minutes or 50°C for 10 minutes if ambient temperature is less than 25°C for better extrusion and mixing.
- / It's recommended that the diameter of mixing tube outlet should be 3mm at least, which can solve the possible problem of poor fluidity caused by ambient temperature.

### TYPICAL PROPERTIES

EPDM30	TEST METHOD	UNIT
White (A part) Black (B part)	Visual	-
Ероху	-	-
100:100	-	-
270	DIN 53018	Pa.s
330	DIN 53018	Pa.s
2.8	ASTM D792	g/cm³
-40~120	-	°C
25°C/50 min	By LiPOLY	-
25°C/4 hrs	By LiPOLY	-
90	ASTM D2240	Shore A
<1	ISO527	%
60	ISO527	N/mm²
300	ASTM D1002	N/mm²
24 months	-	-
Compliant	-	-
14	ASTM D149	KV/mm
>1011	ASTM D257	Ohm-m
3.0	ISO 22007-2	W/m*K
	White (A part)   Black (B part)   Epoxy   100:100   270   330   2.8   -40~120   25°C/50 min   25°C/4 hrs   90   <1	White (A part) Black (B part)   Visual     Epoxy   -     100:100   -     270   DIN 53018     330   DIN 53018     2.8   ASTM D792     -40~120   -     25°C/50 min   By LiPOLY     90   ASTM D2240     <1



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