

### Product Description

Shin-Etsu's KER-3500-P2 is a single component, heat cure LED die bond that will cure to form a tough, durable elastomer. KER-3500-P2 is formulated for the unique rigors of die bonding LED dies to their substrate, exhibits high reflectivity, and exhibits excellent, long-term adhesive performance.

### Product Features

- Superior adhesive strength
- High reflectivity
- Single component
- Heat cure

### Typical Applications

- Die bonding LED chips
- Protecting sensors, IC chips, and bonding wires

### Typical Properties

Type	LED Die Bond
Cure Type	Addition
One/Two Component	One
Cold Storage	Y
Color	Grayish Black
Density @ 23C (g/cm <sup>3</sup> )	1.73
Viscosity (Pa·s)	50.00
Cure Conditions	30 min @ 150C
Shore A Hardness	60
Tensile Strength (MPa)	5.00
% Elongation	90
Shear Strength (MPa)	1.60
Volume Resistivity (TΩ·m)	4.3
Dielectric Strength (kV/mm)	26
Dielectric Constant	4.3 @ 50Hz
Dielectric Dissipation Factor	6.8 x 10 <sup>-4</sup> @ 50Hz
Thermal Conductivity (W/m·K)	0.48
Coefficient of Linear Expansion α1 (ppm)	280
Usable Temperature Range (C)	-60 to +200

*Note: Values are not for specification purposes.*

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