EPO-TEK®
World Class LED Adhesives

**Heat Sink Attach**
*Electrically & Thermally Conductive*
- EK1000
- EK1000-1
- EK1000-1-D
- EK2000
- H20E
- H20E-D

**Die Attach**
*Electrically & Thermally Conductive*
- EK1000
- EK1000-1
- EK1000-1-D
- EK2000
- H20E
- H20E-D

**Heat Sink Attach**
*Thermally Conductive*
- 930-4
- T905BN-3
- H70E
- T905BN-4
- T7109
- TD1001

- Unsurpassed Thermal and Electrical Management
- Proven Quality and Reliability

EPOXY TECHNOLOGY
epotek.com
## Electrically and Thermally Conductive

<table>
<thead>
<tr>
<th>EPO-TEK®</th>
<th>Cure Temperature (minimal)</th>
<th>Viscosity @ 23°C (cPs)</th>
<th>Volume Resistivity (ohm-cm)</th>
<th>Thermal Conductivity (W/m°K)</th>
<th>Performance Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>EK1000</td>
<td>200°C - 30 min</td>
<td>1,800 - 3,600</td>
<td>&lt;0.00009</td>
<td>12.6 (150°C/1hr cure)</td>
<td>Adhesive exhibiting exceptional thermal and electrical conductivity. Ideal for high power LEDs.</td>
</tr>
<tr>
<td>EK2000</td>
<td></td>
<td></td>
<td></td>
<td>26.3 (200°C/1hr post-cure)</td>
<td></td>
</tr>
<tr>
<td>EK1000-1</td>
<td>200°C - 30 min</td>
<td>13,000 - 21,000</td>
<td>≤0.0007</td>
<td>12.1 (150°C/1hr cure)</td>
<td>Longer dry time than EK1000. Designed for applications requiring longer working time.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>@ 100 rpm</td>
<td></td>
<td>22.7 (200°C/1hr post-cure)</td>
<td></td>
</tr>
<tr>
<td>EK1000-1-D</td>
<td></td>
<td>2,200</td>
<td>≤0.00008</td>
<td>12.1 (150°C/1hr cure)</td>
<td>Lower viscosity than EK1000. Designed for application requiring longer working time and better flowing.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>@ 100 rpm</td>
<td></td>
<td>22.7 (200°C/1hr post-cure)</td>
<td></td>
</tr>
<tr>
<td>H20E</td>
<td>150°C - 5 min</td>
<td>2,200 - 3,200</td>
<td>≤0.0004</td>
<td>2.5 (150°C/1hr cure)</td>
<td>Adhesive with proven reliability in low power LEDs.</td>
</tr>
<tr>
<td>H20E-D</td>
<td>175°C - 45 sec</td>
<td>1,400 - 1,900</td>
<td>0.0004</td>
<td>3.26 (150°C/1hr cure)</td>
<td>Silver-filled epoxy with a smooth thixotropic consistency. Designed for applications requiring enhanced dispensability.</td>
</tr>
</tbody>
</table>

**EPO-TEK® is a registered trademark of Epoxy Technology Inc.**

**DISCLAIMER:** Data presented should only to be used as a guide. Properties listed are typical, average values, based on tests believed to be accurate. It is recommended that users perform a thorough evaluation for any application based on their specific requirements. Epoxy Technology makes no warranties (expressed or implied) and assumes no responsibility in connection with the use or inability to use these products.

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## Heat Sink Attach

**Please consult our Application Experts at Epoxy Technology to find the most suitable adhesives for specific technical challenges at: techserv@epotek.com.**