**CURE PROFILE**

<table>
<thead>
<tr>
<th>TEMPERATURE</th>
<th>TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 °C</td>
<td>15 seconds</td>
</tr>
<tr>
<td>150 °C</td>
<td>&lt; 60 seconds</td>
</tr>
</tbody>
</table>

**QLE 1050**
Addition Cure, One Part Coating

**Description**
This is a 100% silicone solids, one part elastomer designed for use as a conformal coating, but can also be used for cloth coating applications.

**Key Features**
- 100% solids
- Transparent, ideal for pigmentation
- Fast cure at elevated temperatures

**Application**
Conformal coating for PCB's and cloth coating

**Property** | **Test Method** | **Value**
---|---|---
Uncured Product Color | Clear to light brown
Cure Type | Addition
Rheology | Liquid
Specific Gravity | 0.97
Viscosity Brookfield | 500 cP

**Cured Product**
10 minutes at 150°C

<table>
<thead>
<tr>
<th>Property</th>
<th>Test Method</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness Shore A</td>
<td>ASTM D 2240-95</td>
<td>30</td>
</tr>
<tr>
<td>Max Working Temp</td>
<td></td>
<td>204 °C / 399 °F</td>
</tr>
<tr>
<td>Min Working Temp</td>
<td></td>
<td>-55 °C / -67 °F</td>
</tr>
<tr>
<td>Refractive Index</td>
<td></td>
<td>1.40</td>
</tr>
<tr>
<td>Thermal Conductivity</td>
<td></td>
<td>0.14 W/mK</td>
</tr>
</tbody>
</table>

**Storage**
Max Storage Temperature | 4.4 °C / 40 °F
Shelf Life | 12 mths

**Revision Date** 12 Oct 2021
**Revision No** 4
**Download Date** 20 May 2022

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The CHT technical service department is available to offer further information and advice and should it be needed to look at modifying current products or custom formulate a new one to meet your specific requirements. Please contact the technical service department.

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