Our strength is in our formulations

**TECHNICAL BULLETIN:** CLR 1190 / CLH 5185

**PRODUCT DESCRIPTION:**
A HEAT CURE, LOW STRESS, EXTREMELY TOUGH, EPOXY LAMINATING COMPOUND.

<table>
<thead>
<tr>
<th><strong>SALES SPECIFICATIONS</strong></th>
<th>CLR 1190</th>
<th>CLH 5185</th>
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</thead>
<tbody>
<tr>
<td>COLOR</td>
<td>AMBER</td>
<td>AMBER</td>
</tr>
<tr>
<td>VISCOSITY (NOTE 1, NOTE 4)</td>
<td>14,000 - 20,000 cps</td>
<td>300 - 1,000 cps</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY</td>
<td>1.14 - 1.18 gm/cm³</td>
<td>1.10 ± 0.02 gm/cm³</td>
</tr>
<tr>
<td>SHELF LIFE</td>
<td>12 MONTHS</td>
<td>12 MONTHS</td>
</tr>
</tbody>
</table>

**HANDLING:**
- MIX RATIO BY WEIGHT (A:B) (NOTE 2) 100:100.0
- MIXED VISCOSITY (NOTE 4) 2,000 cps @ 22 ºC
- POT LIFE OF 200 gm. mass (NOTE 4) 5 Hrs. @ 60 ºC
- GEL TIME OF 200 gm. mass (NOTE 4) 45.0 Min. @ 125 ºC

**CURE SCHEDULE (NOTE 3):**
- RECOMMENDED CURE SCHEDULE: 4 Hrs. @ 125 ºC
- OPTIONAL POSTCURE 2 Hrs. @ 150 ºC

**CURED PROPERTIES:** (NOT INTENDED FOR PREPARATION OF SPECIFICATIONS)
- COLOUR AMBER
- DENSITY (gm/cm³) 1.10
- SHORE HARDNESS 86D
- GUIDE TO OPERATING TEMPERATURE (°C) (Note 6) 155
- HDT (°C) (ASTM D 648) 90
ELECTRICAL PROPERTIES:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dielectric Strength</td>
<td>62 Mil/Section, 800 Volts/Mil</td>
</tr>
<tr>
<td>Volume Resistivity</td>
<td>0 Ohm/Cm</td>
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</tbody>
</table>

NOTES

Note 1: If a filled resin, setting may occur during transportation or storage. Fillers must be remixed before use.

Note 2: Mix ratio must be within ±2% of the stated amount and thorough mixing is required to avoid degraded final properties.

Note 3: Other cure schedules may give satisfactory results, however, these should be determined by the customer for their given circumstances.

Note 4: All measurements taken at 22°C unless otherwise specified.

Note 5: These products may trigger allergic responses in some individuals. Prevent contact with skin, wash with plenty of soap and water immediately if contact occurs. Do not breathe vapours, provide good ventilation and exercise good housekeeping at work area. Read the Material Safety Data Sheet and obser.

Note 6: The “Guide to Operating Temperature” is based on our experience with materials of similar chemistry and/or thermal index. The ultimate suitability of this product for a given operating temperature is application dependent and may change according to the demands placed upon it in operation.

Note 7: If indicated, the values under “Electrical Characteristics” may be based on supplier data for products with similar compositions. They are provided only as a guide and the recipient must test each material to determine its suitability for the intended application.

IMPORTANT

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