VALOX™ RESINS FOR COIL BOBBINS:
420SE0, V4760, ENH4530 AND ENH4550

Coil bobbins (or coil formers) used in electrical industry serve as winding and termination platform for metal wires in a transformer. Thus, in addition to high structural stability, materials used in bobbins should fulfill several safety requirements such as the UL1446. SABIC VALOX™ RESINS 420SE0, V4760, ENH4530 and ENH4550 can be selected to fulfill such requirements.

TYPICAL INDUSTRY REQUIREMENTS:
• High Stiffness
• Thin wall UL94 V0
• UL 1446 certification
• RTI Electrical ≥ 130°C
• Chemical resistance against wire coatings

TYPICAL INDUSTRY REQUIREMENTS:
• PBT glass filled (up to 30%)
• UL94 V0 @ 0.28-0.8 mm
• UL 1446 certified
• RTI ≥ 130°C
• EIS temperature Class F (155°C) rating

TYPICAL PROPERTIES OF VALOX™ RESINS FOR COIL BOBBINS APPLICATIONS:

<table>
<thead>
<tr>
<th>VALOX™</th>
<th>Material PBT</th>
<th>Minimum Thickness for UL94 V0 (mm)</th>
<th>Comparative Tracking Index (PLC)</th>
<th>Glow wire Flammability Index (°C)</th>
<th>Glow wire Ignition Temp. (°C)</th>
<th>Relative Temp. Index / Electrical (°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>420SE0</td>
<td>GF30</td>
<td>0.71</td>
<td>3</td>
<td>960</td>
<td>700</td>
<td>130</td>
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<tr>
<td>V4760</td>
<td>GF30</td>
<td>0.28</td>
<td>2</td>
<td>960@0.4</td>
<td>775@0.4</td>
<td>140@0.4</td>
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<tr>
<td>ENH4530</td>
<td>GF15/Non Cl, Br</td>
<td>0.8</td>
<td>1</td>
<td>960</td>
<td>750</td>
<td>140</td>
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<tr>
<td>ENH4550</td>
<td>GF25/Non Cl, Br</td>
<td>0.3</td>
<td>2</td>
<td>960</td>
<td>775</td>
<td>130</td>
</tr>
</tbody>
</table>

For more information, visit [www.sabic.com](http://www.sabic.com) or call us at: T: (0)0 800 1 238 50

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