**HYTAC-W**

HYTAC-W is a syntactic foam formulated with an epoxy resin for short run or price sensitive applications. The material provides cost-effective, low thermal conductivity plugs for quick start-up times, great material distribution and improved surface appearance.

**Thermoforming applications**
- PS
- PE

**Benefits**
- Low heat transfer providing reduced warm-up times
- Improved material distribution compared to basic alternatives
- Low thermal expansion for better process stability

**THERMOSET**

<table>
<thead>
<tr>
<th>Material</th>
<th>W</th>
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<tbody>
<tr>
<td>Color</td>
<td>White</td>
</tr>
<tr>
<td>Density (ρ)</td>
<td>41.45 lb/ft³ [657 – 721 kg/m³]</td>
</tr>
<tr>
<td>Thermal Conductivity (k)</td>
<td>0.07 BTU/hr·ft·°F [0.11 W/m·°K]</td>
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<tr>
<td>Coefficient of Thermal Expansion (CTE)</td>
<td>22 x 10⁻⁶ /in/in/°F [39 x 10⁻⁶ m/m/°C]</td>
</tr>
<tr>
<td>Compressive Strength</td>
<td>6,200psi [42.7 Mpa]</td>
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<tr>
<td>Service Temperature</td>
<td>350°F [176 °C]</td>
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<tr>
<td>Flexural Toughness (ASTM D790)</td>
<td>2.7psi [18.6 kPa]</td>
</tr>
</tbody>
</table>

**Machining and Polishing Guides**

HYTAC materials are generally easy to machine and polish. Following the CMT guidelines will improve surface quality and consistency in plug performance.

**Custom Cut Service**

Get your material custom cut! Contact CMT Materials for information and prices.

**Standard Dimensions (larger rod diameters available on request)**

- Ø 51 - 152 mm (2" - 6")
  - 610 mm (24")
- 25 - 152 mm (2" - 6")
  - 610 mm (24")
  - 660 - 1524 mm (26"x60")

W / WF / WFT / FLX / FLXT / C1R: standard tolerances are +0%, -1.5% of thickness or diameter.
B1X / XTL: standard tolerances are +0.187" (5mm), - 0.0" (0mm) of thickness or diameter.