Pyrogel® XTE is a flexible, high-performance, aerogel blanket insulation designed for use in industrial and commercial applications. Pyrogel XTE is engineered to deliver superior thermal performance while offering excellent protection against corrosion under insulation (CUI). Hydrophobic and breathable, Pyrogel XTE ensures long-lasting water resistance for both the insulation layer and underlying asset; they remain drier for longer, preserving process conditions, and saving energy in the harshest of environments. These characteristics make Pyrogel XTE the “go-to” insulation for industry-leading CUI defense.

With its extremely low thermal conductivity, Pyrogel XTE is up to 75% thinner than competing materials. Its thin profile makes it ideal for installation in congested areas or to resolve mechanical clashes, increasing both plant safety and efficiency. Pyrogel XTE is mechanically robust, enabling pre-insulation to save time and money. It can be removed and reused after inspection, lowering total cost of ownership.

The versatility of Pyrogel XTE makes it suitable for a wide range of applications, from small-bore pipe to the largest format process vessels and equipment.

### ADVANTAGES

- Best-in-class CUI protection
- Hydrophobic and breathable, resists liquid water and avoids the damaging effects of wet insulation
- Up to five-times better thermal performance versus competing materials
- Faster application rates, especially on large-bore pipes and vessels
- Tough enough to maintain thermal performance even after compression events
- Versatile format can be cut to fit any piece of piping or equipment
- Reduced logistics costs relative to rigid insulation–lower scrap, transport costs, and man hours on project and turnaround work
- Durable format permits pre-insulation and reuse

### THERMAL CONDUCTIVITY†

<table>
<thead>
<tr>
<th>Mean Temp. °F / °C</th>
<th>Thermal Conductivity BTU-in/hr-ft²-°F</th>
</tr>
</thead>
<tbody>
<tr>
<td>32 / 0</td>
<td>0.14 / 20</td>
</tr>
<tr>
<td>212 / 100</td>
<td>0.16 / 23</td>
</tr>
<tr>
<td>392 / 200</td>
<td>0.19 / 28</td>
</tr>
<tr>
<td>572 / 300</td>
<td>0.24 / 35</td>
</tr>
<tr>
<td>752 / 400</td>
<td>0.32 / 46</td>
</tr>
<tr>
<td>932 / 500</td>
<td>0.44 / 64</td>
</tr>
<tr>
<td>1112 / 600</td>
<td>0.62 / 89</td>
</tr>
</tbody>
</table>

*Thermal conductivity measured at a compressive load of 2 psi.

†Thermal conductivity measured at a compressive load of 2 psi.
THE AEROGEL ADVANTAGE

Aerogel is a lightweight solid derived from gel in which the liquid component of the gel has been replaced with air. The process of creating aerogel results in a material with extremely low density and the lowest thermal conductivity of any solid. These remarkable properties make aerogel one of the world's most efficient insulating materials. Our patented process integrates this unique aerogel into a fiber-batting to create flexible, resilient, and durable aerogel blankets with superior insulating performance.

WORKING WITH PYROGEL®

Clean, flush, and accurate cutting of Pyrogel can be achieved using conventional cutting tools such as scissors, tin snips, or razor knives. As with all technical insulation materials, appropriate personal protective equipment (PPE) should be worn when handling, cutting and installing Pyrogel. See SDS/AIS for complete health and safety information.

PYROGEL XTE PONY ROLLS™

All the benefits of Pyrogel XTE in a convenient 80 sqft easy to carry roll size.

MORE INFO

PRODUCT WEB PAGE

Scan with mobile device or go to aerogel.com/pyrogel

This product, produced by Aspen Aerogels, Inc. (“ASPEN”), is covered by a series of domestic and international patents and licenses. See www.aerogel.com/pat for further details. The information in this datasheet is provided as a convenience and for informational purposes only and obtained from initial type testing by the manufacturer. Product properties are subject to manufacturing variations. This information may contain inaccuracies, errors or omissions. All the products supplied, including all recommendations or suggestions must be evaluated by the user to determine applicability and suitability for any particular use. No guarantee or warranty as to this information, or any product to which it relates, is given or implied here. ASPEN DISCLAIMS ALL WARRANTIES EXPRESSED OR IMPLIED, INCLUDING MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AS TO (i) SUCH INFORMATION, (ii) ANY PRODUCT. In no event is ASPEN responsible for, and ASPEN does not accept and hereby disclaims liability for, any damages whatsoever in connection with the use of or reliance on this information or any product to which it relates.