Pipe Sections T-PIR

DESCRIPTION
- Rigid polyisocyanurate (PIR) foam mechanized as straight pipe section cover obtained from a polyisocyanurate block, with an in situ vapour barrier.

APPLICATIONS
- Thermal insulation of pipes for chemical industries, refrigerating facilities, freezing tunnels, air conditioning systems.
- Working temperatures range: -200ºC up to +110ºC.

PRESENTATION
- Straight pipe cover: length of 1000 mm.
- Thickness and diameter according to customer requirements.
- Up to 12" the straight pipe cover is made of 180º sections.
- Elbows made of PIR foam mitred with in situ vapour barrier integrated.

COVERINGS
- T-PIR+: rigid polyisocyanurate foam (PIR M) faced with a technical and decorative covering made of a multilayered PVC-aluminium-polyester 230 micron complex that acts as a vapour barrier.

PROPERTIES

<table>
<thead>
<tr>
<th>CE</th>
<th>CLASS acc. EN 14308</th>
<th>STANDARD</th>
<th>UNITS</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermal conductivity coefficient</td>
<td>$\lambda_{7.4^\circ C}$</td>
<td>UNE-EN 12667</td>
<td>W/m·K</td>
<td>0,022</td>
</tr>
</tbody>
</table>
| Declared thermal conductivity coefficient | $\lambda_D 10^\circ C$ | UNE-EN 12667 | W/m·K | d_0 < 80mm 0,028
80 ≤ d_0 ≤ 120mm 0,027
d_0 ≥ 120mm 0,026 |
| Reaction to fire of the product | - | UNE-EN 13501-1 | - | B_1-s2, d0 |
| Dimensional stability 48h. 70ºC 90%HR | DS(TH)3 | UNE-EN1604 | % | $\Delta$long, $\Delta$anch. ≤ 2
$\Delta$esp. ≤ 6 |
| Dimensional stability 48h. -20ºC | - | - | % | $\Delta$long, $\Delta$anch. ≤ 0,5
$\Delta$esp. ≤ 2 |

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<td>Density</td>
<td>UNE-EN 1602</td>
<td>kg/m³</td>
<td>40 ± 2</td>
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| Compressive strenght | UNE-EN 826 | kPa | $\parallel$ 200 ± 40
$\perp$ 120 ± 30 |
ADVANTAGES

- **T-PIR⁺:**
  - Decorative finishing and metallic appearance
  - High durability of the multilayer complex
  - Vapour barrier guaranteed
  - High mechanical performance
  - Solution ready for implementation: preformed elbows or curved segments and adhesive tapes for sealing joints.
  - Cost advantages in material and application. Installation is simple and effective.

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<thead>
<tr>
<th>Maxium peak temperature</th>
<th>°C</th>
<th>+160°C</th>
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