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T-FIT® INSULATION
**Fit** to perform. **Fit** to last

# T-FIT® Clean

## Modular cleanroom insulation

T-FIT® Clean is manufactured from Zotefoams ZOTEK® F PVDF closed cell foam, the only foam product to be specification tested to FM4910 Clean Room Materials Protocol.

The values provided in this Product Information Sheet represent information gathered from random samples of our flat sheet material. These are given to the best of our knowledge and should be considered as guidance only.

## Typical Values

| Property | Test Standard | Typical Value |
|---|---|---|
| **Material** | Manufactured from an FDA-compliant resin | |
| **Service Temperature** | *See Notes Below | -80 °C to +160 °C<br>(-112 °F to + 320 °F) |
| **Thermal Conductivity** | | |
| Mean temperature of 0 °C (32 °F) | ISO 8301 | 0.031 W/m.K (0.22 Btu.in/h.ft2 °F) |
| Mean temperature of 25 °C (77 °F) | | 0.034 W/m.K (0.24 Btu.in/h.ft2 °F) |
| Mean temperature of 80 °C (176 °F | | 0.042 W/m.K (0.29 Btu.in/h.ft2 °F) |
| **Fire Testing** | | |
| Euroclass | EN13501-1<br>Thickness: 6.35mm | B - s1, d0 |
| UL723 / ASTM E84 | Material Thickness<br>Flaming Spread Index<br>Smoke Developed Index | 0.27”<br>0<br>10 |

| AS 1530 | Gauge mm | Ignitability | Spread of flame | Heat Evolved | Smoke Dev |
|---|---|---|---|---|---|
| | 6.35 | 0 | 0 | 0 | 1 |
| | 12.7 | 0 | 0 | 0 | 0 -1 |

| | | |
|---|---|---|
| **Water Vapour Transmission** | ISO 1663:2007(E) | 8750 µ Value |
| **Outgassing** | VDI 2083-P17 | 44.18µg/g |
| ISO-AMC class | ISO 14644-8** | -8.5 |
| **Fungus Resistance** | ASTM G21-15 | Full test complete<br>No signs after 28 days |
| **Leachable Ions** | ASTM C-871 | Low level of leachable ions |
| **Factory Mutual 4910 Cleanroom Materials Flammability Test Protocol** | | Specification tested |

* This information is based on internal testing and represents peak temperatures only. For continuous use or advice on product specification with respect to condensation control or temperatures below -80°c, please contact your local T-FIT® representative.

** Based on independent testing and commentary. Test reports can be made available upon request.

# T-FIT® Clean

Pre-fabricated and custom insulation
for every application



90 Degree Elbow



Clean Tee



Straight



Unequal Tee



Flange/Valve Box



Clean Reducer






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