

Technical Data Sheet

BLOCK foam HT 40 Pipe Insulation

Polyisocyanurate (PIR) Insulation for Piping and Equipment for dual or high temperatures

General Technical Properties

| Property | Test Method | Unit | Typical Value |
|------------------------------|-------------------------------|-------------------|--------------------------|
| Density | EN ISO 845 | | |
| | Nominal | kg/m ³ | 40 |
| | Minimum | kg/m ³ | 38 |
| Thermal Conductivity | EN 12667 at +10°C | | |
| | Initial | W/m K | 0.023 |
| | Aged (25 weeks @ 70°C) | W/m K | 0.030 |
| | EN 14308 at +10°C | W/m K | Refer to DoP |
| Color | | | Grey |
| Closed Cell Content | EN ISO 4590 (meth. 1) | % | ≥ 95 |
| Compressive Strength | EN 826 at +23°C | | |
| | Parallel | kPa | 280 |
| | Perpendicular | kPa | 240 |
| Tensile Strength | EN 1608 at +23°C | | |
| | Parallel | kPa | 490 |
| | Perpendicular | kPa | 340 |
| Linear Dimensional Stability | EN 1604 | | |
| | +100°C for 24 hours | % | ≤ 1 |
| | -40°C for 24 hours | % | ≤ 1 |
| | +70°C and 95% RH for 48 hours | % | ≤ 3 |
| Temperature Limits | Maximal | °C | +200 |
| | Minimal | °C | -180 |
| Water Absorption | ASTM D2842 (Proc. B) | Vol. % | ≤ 5 |
| Water Vapour Permeability | EN 12086 | Ng/Pa.s.m | ≤ 5.5 |
| Linear Expansion Coefficient | EN 13471 | K ⁻¹ | 40-70 x 10 ⁻⁶ |
| Wall Thickness Tolerances | +/- 5mm | | |

Fire Classifications*

| Property | Test Method | Typical Result |
|------------------|----------------------------------|------------------|
| Reaction to Fire | EN 13501-1 | |
| | Foam core only | E/E _L |
| | Foam core + T50 vapour barrier | E/E _L |
| | Foam core + TR200 vapour barrier | E/E _L |

*other finishes than described may influence reaction to fire

Product Standard Compliance

| Standard | Description | Compliance Level |
|----------|---|---|
| EN 14308 | Factory made rigid polyurethane foam (PUR) and polyisocyanurate foam (PIR) products. Specification. | Full compliance. Refer to CE mark for details. |

Distributor:
Skanacid A/S, Lunikvej 30A
DK-2670 Greve, Denmark
☎ +45 39 40 13 14
✉ mail@skanacid.dk
www.cleantech-lite.com



For all technical enquiries,
please contact the **Skanacid A/S**:
☎ +45 39 40 13 14
✉ mail@skanacid.dk

This leaflet cancels and supersedes all previous editions. Skanacid takes the right to modify specifications without prior communication. The values mentioned on this sheet are typical and don't imply specification limits. Though the information reported in this datasheet is true and reflects Skanacid's best knowledge, we decline all responsibility for errors and omissions, damage or loss resulting here from. It is always necessary to verify recommendations for use with regards to suitability and conformity with actual requirements, specifications and any applicable laws.