



**puren high temperature
polyurethane rigid foam HT**



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industry

High-tech product
for an economical
insulation within a
high temperature
range up to
+200°C*

Insulation elements:

Made from CFC/HFC-free high-performance polyurethane (PIR-) rigid foam, thermal conductivity 0,023 - 0,027 W/(mK)

Formats:

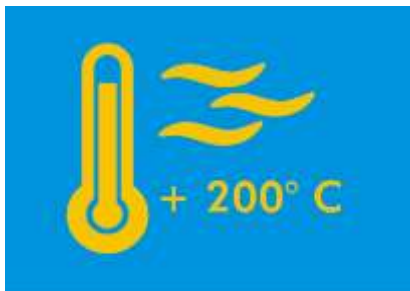
Standard dimensions 1000 mm, other formats available on request

Form of delivery:

Blocks, boards, pre-cut boards, formed parts

Advantages:

- service temperature range: -80 up to +200°C short term up to +250°C
- best insulation value - slim wall size
- good compressive strength
- high share in closed cells
- advantageous fire properties: B2 (DIN 4102), non glowing, non melting and is not dropping off whilst burning
- biologically and ecologically harmless
- recyclable
- mould and decomposition resistant
- application fields: e.g. hot steam pipes, pipes, solar collectors etc.



Highly protected: A district heating pipeline, insulated with puren high-temperature-polyurethane-rigid-foam HT; on the left several pipe elements before the installation.



Technical data*



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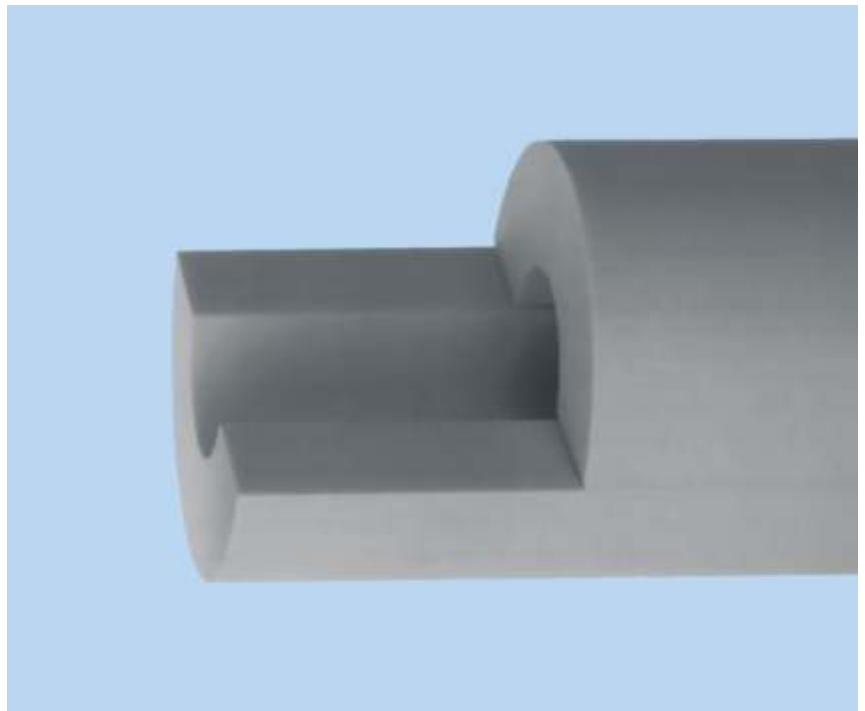
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| puren-(PIR)-rigid foam B2 40 HT | | | |
|--|--------------|-------------------|-----------------|
| | Norm | Unit | B2 40 HT |
| Density | DIN EN 1602 | kg/m ³ | 37 - 42 |
| Fire properties | DIN 4102 | - | B2 |
| Compressive strength | DIN EN 826 | kPa | 240 - 300 |
| Tensile strength | DIN EN 1607 | kPa | 220 - 260 |
| Bending strength | DIN EN 12089 | kPa | 250 - 300 |
| Shearing strength | DIN EN 12090 | kPa | 150 - 190 |
| Closed cells | ISO 4590 | % | 90 - 95 |
| Water absorption | DIN EN 12087 | max% | 3 |
| Thermal conductivity | DIN EN 12667 | W/(mK) | 0,023 - 0,026 |
| Service temperature range (long-term application) | - | °C | -80 - max. 200* |

**Further densities and international fire resist norms upon request. The above-mentioned average values have been detected during the production process. For all mechanical values we guarantee, that the minimum values are not dropping more than 10%.*

We would like to advise you, that the HT 40-type is a non-standard composition. How far this foam is qualified for special applications is to be verified by the customer individually.



The information provided in this brochure does not release the buyer from his obligation to check the materials used for their suitability for the intended purpose or application.

This brochure and information material is meant to provide advice to the best of our knowledge, the contents are however without legal force or binding effect. The right to make technical changes is reserved.