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ISOFLEX Product catalogue 2021 EN

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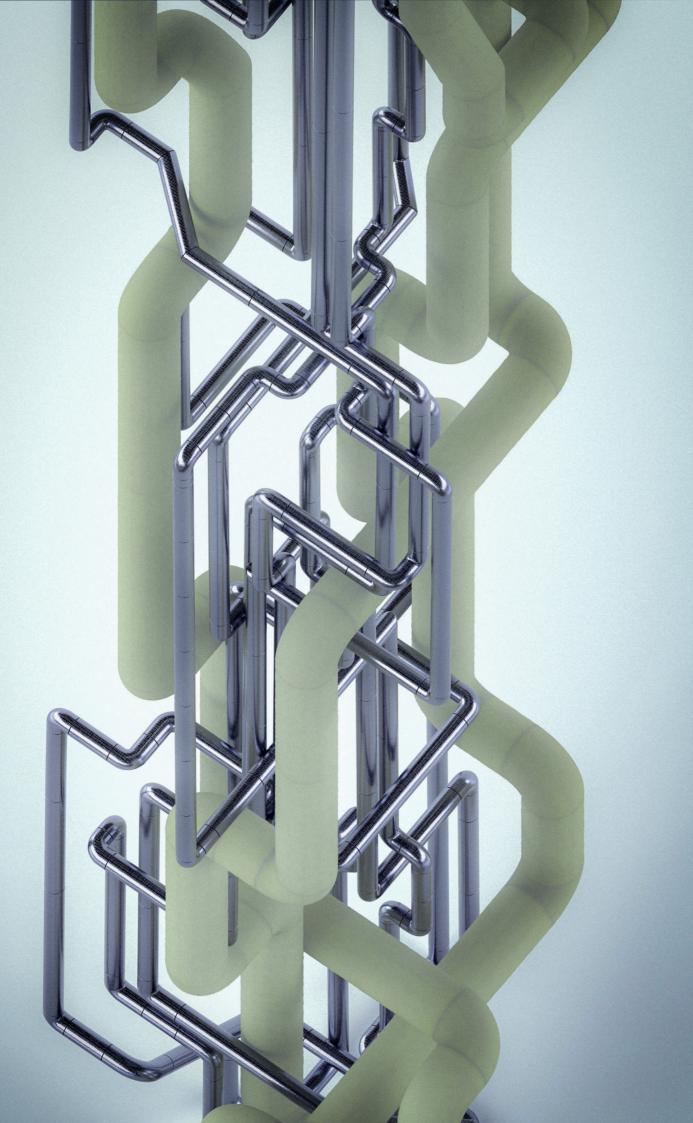


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INSUL PVC CO

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About **ISOFLEX**

At **Isoflex Ltd.** we have been manufacturing various pipe insulations and pipe shells since 1997, until, gradually expanding our product range and offer, we became one of the three largest pipe clamp manufacturers in Europe. Our engineering insulation products are available all over the country, and also reached more and more markets in Europe. Our products comply with all European and American standards for insulation materials, and we maintain a high stock of our products in order to serve our customers quickly. We are proud that, despite the dynamic expansion of our production, we still maintain the possibility to manufacture and order custom insulation materials to meet extreme or particularly complex customer requirements.

insulating tapes.

Our dominant insulating materials are polyurethane, rubber, polyethylene, and more recently rock wool, and we have long supplemented our range of shells and pipe clamp inserts with a variety of

PIPE CLAMP INSERT with

ALU COATING

Raw material Polyurethane foam, ALU covering

Use Cooling / heating systems, fixing technology

Packaging Delivered with or without insulated pipe support

Depending on the pipe thickness, the 2, 3 or more components of the high load-bearing interlocking pipe clamp insert segment are mechanically strong, and provide adequate thermal insulation for any pipe size. The pipe clamp insert consists of two semicircular parts made of polyurethane foam. The two half rings are covered with ALU tape, the ends of which are self-adhesive and covered with a protective film. The pipe clamp insert segment and the ALU coating form a strong water and vapour barrier layer. The finished pipe clamp insert has good heat retention properties, making it ideal for the thermal

insulation of pipes (both cooling and heating). Our pipe clamp inserts are mainly used in the construction and petrochemical industries where a high degree of insulation is required. The inner diameter of the pipe clamp insert is the same as the outer diameter of the pipe on which it will be installed. The outer diameter of the product is the same as the outer diameter of the pipe insulated with pipe shells or plates, and matches the inner diameter of the supporting metal clamp.

Specification

Temperature range between -45 and 120 °C

Colour grey

Processing temperature above 10 °C

4102)

Tolerance **Fire resistance** internal +/-0.5 mm; B2 (according to DIN external +/- 1 mm

Storage period

1 year (above 10 °C)

Water vapour resistance

μ > 7000 **PU foam carrier**

80/120/145 kg/m³

inner ø 75 mm 100 mm

Width 114 mm innerø >= 114 mm -

Specification

Storage period

Water vapour

resistance

μ > 7000

1 year (above 10 °C)

Temperature range

Processing

above 10 °C

temperature

between -45 and 105 °C

Raw material

Use

Packaging

Width

50 mm at inner ø < 114 mm; 100 mm at inner ø >= 114 mm

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PIPE CLAMP INSERT with



Polyurethane foam, with rubber insulating material on both sides, PVC coating

Cooling/industrial cooling systems fixing, vapour diffusion discharge

Delivered with or without insulated pipe support

Depending on the pipe thickness, the 2, 3 or more components of the high load-bearing interlocking pipe clamp insert segment are mechanically strong, and provide adequate thermal insulation for any pipe size. The pipe clamp insert consists of two semicircular parts made of polyurethane foam. The two half rings are covered with ALU tape, the ends of which are self-adhesive and covered with a protective film. The pipe clamp insert segment and the ALU coating form a strong water and vapour barrier layer. The finished pipe clamp insert

has good heat retention properties, making it ideal for the thermal insulation of pipes (both cooling and heating). Our pipe clamp inserts are mainly used in the construction and petrochemical industries where a high degree of insulation is required. The inner diameter of the pipe clamp insert is the same as the outer diameter of the pipe on which it will be installed. The outer diameter of the product is the same as the outer diameter of the pipe insulated with pipe shells or plates, and matches the inner diameter of the supporting metal clamp.

Colour black

Fire resistance B2 (according to DIN 4102)

Tolerance internal +/-0.5 mm; external +/- 1 mm

PU foam substrate 80/120/145 kg/m³

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THERMOSETTING, **HIGH PERFORMANCE INSULATING MATERIALS**



⁻²⁰⁰ °C – +120 °C



Specification

- O Raw density EN 1602: 38 42 kg/m³,
- O Thermal conductivity at 10 °C application temperature EN 14308: [0.027] [0.026] [0.025] W/(m·K)

PIPE **SHELL**

Raw material

Polyurethane foam, Alu and Al-clad covering

Use

Cooling / heating systems, insulating material for cold / hot technological systems

Depending on the pipe thickness, 2, 3 or more interlocking segments of high load-bearing pipe shell segments are mechanically strong, and provide adequate thermal insulation for any pipe size. The interlocking pipe shells are originally laminated with aluminium foil, but can also be ordered without it. The finished pipe shell has good heat retention properties, the polyurethane foam and the ALU coating prevents the formation of condensation between the pipe and the shell. Considering the advantages of the base material, their application can effectively reduce heat loss.

Specification

Temperature range between -45 and 120 °C

Processing temperature above 10 °C

Storage period 1 year (above 10 °C)

Vapour diffusion resistance 0.03g/qm/24 according to DIN 53122

external +/- 1 mm PU foam substrate 32/80/120 kg/m³

B2 (according to DIN 4102)

Length

100 cm

Fire resistance

internal +/-0.5 mm;

Tolerance











⁻80°C — +200 °C for short > +250 °C



Specification

- O Raw density (EN 1602): $37 - 42 \text{ kg/m}^3$
- O Monitored limit (fresh value) at a mean temperature of 10 °C EN 12667: 0.021 W/(m·K)
- O at 10 °C application temperature EN 13165 / EN 14308: [0.027] [0.026] [0.025] W/(m·K)
- O Designation (EU) [EN 13165] PU-EN 13165-T2-DS(70,90) 3-DS(-20,-) 2-CS(10\Y) 250-TR150
- O Designation (EU) [EN 14308] PU-EN 13165-T2-DS(70,90) 3-DS(-20,-) 2-CS(10\Y) 250-TR150

ACCESSORY FITTINGS

"Tee"

Use Industrial refrigeration, cooling and air conditioning

Dimensions Wit diameter and wall thickness according to request

Available option bare, alu-clad, mesh-alu



Use Industrial refrigeration, cooling and air conditioning

Dimensions Wit diameter and wall thickness according to request

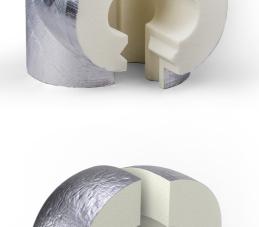
Available option bare, alu-clad, mesh-alu

Reducer

Use Industrial refrigeration, cooling and air conditioning

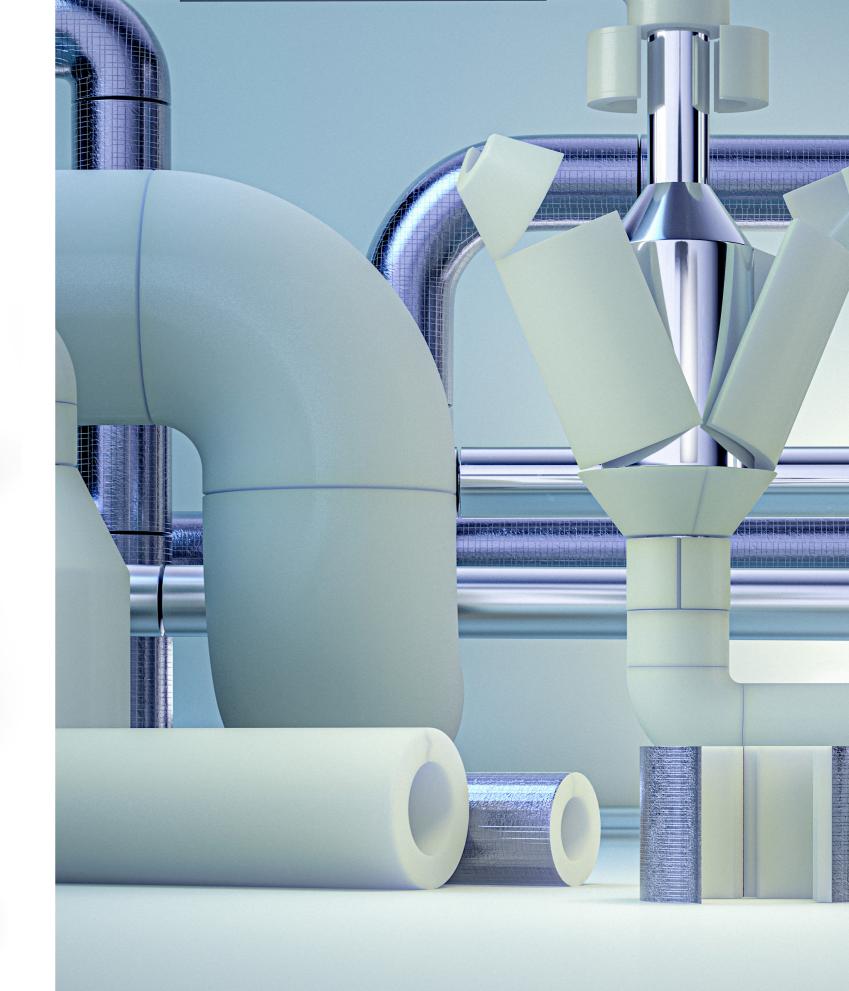
Dimensions Wit diameter and wall thickness according to request

Available option bare, alu-clad, mesh-alu



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