

IT-FLEX SYSTEM COVER

Technical data sheet

MATERIAL

Flexible elastomeric foam (FEF) with closed cells, bonded to a multilayer PVC/Aluminium sheet with UV-protection film.

PRODUCT RANGE

Non-adhesive and adhesive tubes in lengths and in continuous rolls, in diameters from 15 to 170 mm and thicknesses from 6 to 60 mm.
Non-adhesive and adhesive sheets, in slabs or rolls, in thicknesses from 6 to 60 mm.

PRODUCT SPECIFICATION

Flexible and expanded rubber foam thermal insulation material produced in accordance with the European Standard EN 14304.

PRODUCT APPLICATION

Thermal insulation of components in heating, air conditioning, refrigeration, and industrial systems, including those installed in outdoor environments. *

MAIN CHARACTERISTICS

Flexible and expanded CFC and HCFC-free rubber foam.
Does not contain or release dust or fibres.

| Technical information | Reference data | Test standards |
|---|---|------------------------|
| SERVICE TEMPERATURES Max. temperature of transported fluids Min. temperature of transported fluids | + 110 °C - 50 °C | EN 14706 - 14707 |
| THERMAL CONDUCTIVITY λ | Tubes 6-25 mm at 0 °C $\lambda \leq 0,033$ W/m•K Tapes and sheets at 20 °C $\lambda \leq 0,035$ W/m•K 3-32 mm at 40 °C $\lambda \leq 0,037$ W/m•K | EN ISO 8497 - EN 12667 |
| | Tubes 30-60 mm at 0 °C $\lambda \leq 0,036$ W/m•K at 20 °C $\lambda \leq 0,038$ W/m•K at 40 °C $\lambda \leq 0,040$ W/m•K | |
| | Sheets 40-60 mm at 0 °C $\lambda \leq 0,034$ W/m•K at 20 °C $\lambda \leq 0,036$ W/m•K at 40 °C $\lambda \leq 0,038$ W/m•K | |
| RESISTANCE TO WATER VAPOUR DIFFUSION μ only on elastomer | Sheets and tubes $\mu \geq 10000$ | EN 13469 - EN 12086 |
| REACTION TO FIRE OF THE COMPLETE SYSTEM (ELASTOMER + CLADDING) | EUROCLASS { TUBES C _L - s2, d0 SHEETS C - s3, d0 | EN 13501 - 1 |
| CORROSION RISK | MEETS TEST REQUIREMENTS | EN 13468 |
| OZONE RESISTANCE | EXCELLENT | ISO 7326 |
| UV RESISTANCE | GOOD | UNI ISO 4892 - 2 |
| DIMENSIONAL TOLERANCES | In accordance with table 1 - European Standard EN 14304 | |

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*Please note that Evocell&Mobius insulation material is not designed to operate in direct contact with the transported fluid.

For specific requirements, please contact our Technical Department.

All standards cited in this document are intended to be updated to the latest released version. The latest released documentation and specific certifications are available upon registration on our website at: www.evocellmobius.it

It is the responsibility of the end user to verify the suitability of the product for the intended use, in relation to the specific conditions of use and installation.

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for the latest version.

Adhesive products: storage MAX one year, temperature MAX 90 °C.