

IT-FLEX PE AL- IT FLEX PEN

Technical data sheet

MATERIAL

Flexible elastomeric foam (FEF) with closed cells, bonded to a 3 mm thick cross-linked polyethylene layer, coated with an aluminized and embossed polyethylene film.

PRODUCT RANGE

Standard and self-adhesive sheets in rolls with thicknesses from 6 to 32 mm.
Self-adhesive tapes with a thickness of 1,5 mm.

PRODUCT SPECIFICATION

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. **

MAIN CHARACTERISTICS

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
THERMAL CONDUCTIVITY λ	At mean temp. of 0 °C ≤ 0,034 W/m•K At mean temp. of 40 °C ≤ 0,038 W/m•K	EN 12667
WATER VAPOUR DIFFUSION FACTOR μ	≥ 10000	EN 12086
REACTION TO FIRE	EUROCLASS SHEETS - E	EN 13501 - 1
CORROSION RISK	MEETS TEST REQUIREMENTS	EN 13468
DIMENSIONAL TOLERANCES	In accordance with table 1 - European Standard EN 14304	

TECHNICAL CHARACTERISTICS OF THE EXTERNAL PROTECTIVE COATING

CROSSLINKED PE	THICKNESS 3 mm
PE FILM ALUMINIZED AND EMBOSSED	THICKNESS 32 microns
COLOUR OF PROTECTIVE FILM	ALUMINIUM (PE AL) - BLACK (PEN)

*For adhesive tapes and sheets: max. operating temperature 90 °C.

For specific requirements, please contact our Technical Department. Storage of adhesive products: not exceeding one year.

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

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

EVOCELL&MOBIUS reserves the right to modify the above data without prior notice. Please refer to the website www.evocellmobius.it for the latest version.