

IT-FLEX AT - ATR

Technical data sheet

MATERIAL

Flexible closed-cell elastomeric foam (FEF).

PRODUCT SPECIFICATION

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

PRODUCT RANGE

Self-adhesive and standard tubes in bars and in continuous rolls with diameters from 10 to 114 mm and thickness from 9 to 32 mm. Self-adhesive and standard sheets in panels and rolls, with thicknesses from 6 to 32 mm. Self-adhesive tapes with a thickness of 3 mm.

PRODUCT APPLICATION

Thermal insulation of heating, air conditioning systems and industrial applications functioning with high temperatures fluids***. Also suitable for external applications (AT R version).

ECOLOGICAL INFORMATION

Flexible and expanded CFC, HCFC and PVC-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	+ 150 °C* (+ 130 °C for sheets glued to the entire surface with CNX AT 1) - 50 °C* (- 196 °C**)	EN 14706 - 14707
THERMAL CONDUCTIVITY λ	At mean temp. of +40 °C $\leq$ 0,042 W/m•K	EN ISO 8497 - EN 12667
REACTION TO FIRE SWISS	EUROCLASSE { SHEETS AND TAPES - E TUBES - E _L RF3 (CR)	EN 13501 - 1 AEAI-VKF
WATER ABSORPTION	< 0.1 kg/m ²	EN 1609 - EN 13472
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 (VERSIONE IT-FLEX AT R):

TYPE	SCRATCH RESISTANT/UV RESISTANT PE FILM	
COLOUR	BLACK RAL 9005	
WATER VAPOUR DIFFUSION FACTOR μ	$\geq$ 10000	EN ISO 12086
UV RESISTANCE	EXCELLENT	UNI ISO 4892 - 2

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For applications at lower or higher temperatures, please consult our Technical Department.

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

** For applications in cryogenic systems, LNG or similar, please consult our Technical Department.

*** Please note that the insulation material is not designed to operate in direct contact with the transported fluid. For specific requirements, please contact our Technical Department.

The latest released documentation and specific certifications are available upon registration on our website at: www.evocellmobius.it

Storage of adhesive products: not exceeding one year.

All standards cited in this document are intended to be updated to the latest released version.

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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