



B6 Eurobatex

HF (Halogen Free)

TECHNICAL DATA n° 02 - Rev. 01

EUROBATEX® HF (HALOGEN FREE)



Type of material: Black closed-cell flexible elastomeric foam (FEF) without halogens (Chlorine, Bromine, Fluorine) and PVC.


Product range: Tubes in pipe sections with thicknesses from 9 to 32 mm and bore sizes from 10 to 114 mm. Sheets in roll form from 9 to 32 mm. Tapes with a thickness of 3 mm.

Fields of application: Thermal insulation of refrigeration and air-conditioning services in commercial, industrial and domestic applications. Especially suitable for naval, rail and civil applications where high safety standards exist in case of fire.


Dimensional tolerances: In accordance with the European Standard EN 14304.


Environmental Information: CFC and HCFC-free flexible and expanded rubber foam. It does not damage the ozone layer (ODP zero) and does not contribute to the greenhouse effect (GWP zero).

Storage conditions/shelf life: Store the material in a dry and clean environment at a temperature between 0 °C and 35 °C, and a RH between 50% and 70%. Do not expose the material to heat or direct sunlight before installing. Tubes and self-adhesive sheets should not be kept in storage for more than one year.

PHYSICAL PROPERTIES	RESULT OBTAINED	TEST METHOD
Operating temperature range*	Tubes -45 °C + 110 °C Sheets and tapes -45 °C +85 °C	EN 14707 EN 14706
Thermal conductivity λ At a mean temperature of + 0 °C At a mean temperature of + 40 °C	≤ 0.036 W/m·K ≤ 0.040 W/m·K	EN 12667/EN ISO 8497
Water vapour diffusion factor (μ)	≥ 2000	EN 13469/EN 12086
Water absorption	< 0,1 kg/m ²	EN 13472/EN 1609
Fire performance European standard	Tubes thk. 6-25 mm: D _L -s2-d0 Tubes thk. 32 mm: E Tapes E Sheets E	EN 13501 - 1
Railways	HL-1 (low emissions, low toxicity in case of fire)	EN TS 45545
Shipyards (MED) 	Meets test requirements	IMO Resolution A.653 (16)
Antimicrobial behaviour	Meets test requirements	AATCC test method 30-2004
Corrosion risk	Meets test requirements	EN 13468

* NB: for applications at lower temperatures please contact our technical department. For information regarding the chemical resistance of the product please consult the specific technical documentation.

System 3  Marking in accordance with the European Standard EN 14304.

After intensive testing under the supervision of the GSH, Union Foam S.p.A. has been authorized to use the  mark of quality, which guarantees the meeting of all requirements stipulated by System 1+, defined by the European Regulation (CPR) for construction products.

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