

Description: Halogen-free flexible closed cell thermal insulation material. Certified for use in marine environments, rail and military sectors. Also, suitable to use on clean and server rooms.

Material Type: Elastomeric foam based on synthetic rubber. Factory made flexible elastomeric foam (FEF) according to EN 14304.

Colour: Dark Grey / Anthracite

Applications: Insulation / protection for air conditioning / refrigeration, ventilation, and process equipment to prevent condensation and save energy in pipework, air ducts, vessels (incl. Elbows, fittings, flanges etc.)

Special Features: Zero halogens (chloride, bromide) acc. to DIN / VDE 0472, part 815. Fulfills DIN 1988 Parts 2 and 7.

Safety and Environment: ODP zero, GWP zero

Remarks: Declaration of performance (DOP) is available in accordance with Article 7(3) of Regulation (EU) No 305/2011.

PROPERTY	SPECIFICATION LIMITS	TEST	REMARKS
Temperature Range			
Max service temperature	+110°C (+85°C if sheet or tape is glued to the object with its whole surface)	EU5664	Tested acc. to EN14706 EN14707 and EN14304
Min service temperature	-50°C		
Thermal Conductivity			
	$\lambda \text{ } 0^{\circ}\text{C} \leq 0.040 \text{ W}/(\text{m}\cdot\text{K}) \quad [40+0.1 \cdot \vartheta_m + 0.0009 \cdot \vartheta_m^2]/1000$	EU5664	Tested acc. to BS 874 Part 2 1986 EN 12667 EN ISO 8497
Water Vapour Diffusion Resistance			
	$\mu \geq 2,000$	EU5664	Tested acc. to DIN 52 615, EN 12086 & EN 13469
Fire Performance			
Tubes	Euroclass D _L -s2, d0	EU5157	Classified acc. to EN 13501-1. Tested acc. to EN 13823 & EN ISO 11925-2
Sheets & Tapes	Euroclass E		
Ship Building: Bureau Veritas, Det Norske Veritas, Lloyds Register	Low Flammability	D5555, D5348, EU5475 & EU6111	ACC. to IMO A653 (16)
Railway sheets up to 25mm	S4 SR2 ST2	D666	acc. to DIN 54837 ISO 5659 (DIN 5510-2)
UL Approved	HF-1	D5837	UL: acc. to UL94, IEC 60695 and Can/CSA-C.22.2 No. 0.17, UL 746C
Practical fire behaviour	Self-extinguishing, does not drip, does not spread flames		
Other technical features			
Dimensions and tolerances	In accordance with EN 14304, table 1		Tested acc. to EN822, EN823, EN13467
Chemical behaviour	Resistant against commonly used building materials including concrete, lime, gypsum, cement		
Health aspects	Dust & fibre free		
Storage & Shelf Life	Self-adhesive tapes Self-adhesive sheets Self-adhesive tubes	1 year	Stored in dry clean rooms at normal relative humidity (50% to 70%) and ambient temperature (0°C - 35°C)
Resistance to	Building Materials: Very Good Chemicals: Consult Product Test List Ozone: Very Good		
Water Absorption	0.2% by volume		Test acc. to ASTM C209
Environmental aspects	ODP zero, GWP zero	EU5197	

Convertors and suppliers of die cut gaskets, tape, sheeting, fabrications, machined plastic components, rubber mouldings, extrusions and adhesives.

