

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 when sheet or tape is glued to a flat object)	EU5664	Tested acc. to EN14706 EN14707 and EN14304
Min service temperature	-50°C		
Thermal Conductivity			
	λ 0°C ≤ 0.040 W/(m-K)	EU5664	Tested acc. to BS 874 Part 2 1986 EN 12667 EN ISO 8497
Water Vapour Diffusion Resistance			
	μ ≥ 2'000	EU5664	Tested acc. to DIN 52 615, EN 12086 & EN 13469
Fire Performance			
Tubes	Euroclass DL-s3, 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	