

Description: Flexible closed cell elastomeric insulation, based on synthetic EPDM rubber, specifically suitable for installations that work at high temperatures.

Material Type: Synthetic EPDM rubber based foam.

Colour: Black

Applications: Thermal Insulation of pipes, vessels, and ducts for solar panels (including outdoors), motor vehicles, hot gas lines, steam and dual temperature lines.

Special Features: Fulfils DIN 1988, resistant to UV radiation

Safety and Environment: Type III Environmental Product Declaration (EPD). Declaration number "EPD-ARM-20150108-IBB1-DE", Institut Bauen und Umwelt e.V. (IBU).

Assembly: The Armaflex application guide should be consulted before use.

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	+150°C (+85°C for tapes)	EU5666	Tested acc. to EN14706 EN14707
Min service temperature	-50°C		
Thermal Conductivity			
Tubes	λ 40°C \leq 0.042 W/(m-K)	EU5666	Tested acc. to BS874 Part 2 1986 EN 12667 EN ISO 8497
Sheet	λ 40°C \leq 0.045 W/(m-K)		
Water Vapour Diffusion Resistance			
Tubes	$\mu \geq$ 4,000	EU5666	Tested acc. to EN 12086 EN 13469
Sheets	$\mu \geq$ 3,000		
Fire Performance			
Reaction to Fire	Class 1 Euroclass tubes & sheets D-s3, d0 & DL-s3, d0 UL94	GB5904 & EU5666	Tested acc. to BS476 Part 7: 1997 Classified acc. to EN 13501-1 Tested acc. to EN13823 & EN ISO 11925-2
Other fire class	UL approved V-0 Lloyds Register material having low flame spread characteristics	UL: EU5837 Lloyd R: EU6136	UL: Tested acc. to UL94, IEC 60695 and Can/CSA-C.22.2 No.0.17, UL746C Lloyds R: Tested acc. to BS476 Part 7
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	EU5316	Tested acc. to EN822, EN823, EN13467
UV resistance	Good		
Health aspects	Dust & Fibre free		
Storage & Shelf Life	Tape, self-adhesive sheets: 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 UV: Very Good		
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.

