

**Description:** Highly Flexible, closed cell insulation material based on external elastomeric foam with resistance to UV radiation.

**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:** Fulfills 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 is available in accordance with Article 7(3) of Regulation (EU) No 305/2011.

PROPERTY	SPECIFICATION LIMITS	TEST	REMARKS
Temperature Range	Max Service Temp +150°C (+85°C for tapes) Min Service Temp -50°C	EU5666	Tested acc. to EN14706 EN14707
Thermal Conductivity	Tubes $\lambda \leq 0.042 \text{ W/(m} \cdot \text{K)}$ Sheets $\lambda \leq 0.045 \text{ W/(m} \cdot \text{K)}$	EU5666	Tested acc. to BS874 Part 2 1986 EN 12667 EN ISO 8497
Water vapour diffusion resistance	Tubes $\mu \geq 4,000$ Sheets $\mu \geq 3,000$	EU5666	Tested acc. to EN 12086 EN 13469
Reaction to Fire	Class 1	GB5154	Tested acc. to BS476 Part 7: 1997
	Euroclass sheets & tubes UL94	D-s3, d0 & DL-s3, d0 EU5316	Classified acc. to EN 13501-1 Tested acc. to EN13823 & EN ISO 11925-2
Other fire class	UL approved	V-0	UL: Tested acc. to UL94, IEC 60695 and Can/CSA-C.22.2 No.0.17, UL746C
	Lloyds Register Manual having Low Flame Spread Characteristics	Lloyd R: EU6136	Lloyds R: Tested acc. to BS476 Part 7
Practical fire behaviour	Self-extinguishing, does not drip, does not spread flames		
Dimensions and tolerances	In accordance with EN 14304, table 1		EU5316
UV resistance	Good		
Health aspects	Dust & Fibre free		
Storage & Shelf Life	Tape, self-adhesive: 1 year		Can be 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