



Data Sheet for:

Nitrile Pipe Insulation

Material type base			Elastomeric foam based on synthetic rubber, Flexible Elastomeric Foam (FEF)	
Cell structure			Closed cell	
Colour			Anthracite	
Max. service temperature	Pipe		+110°C	
Min. service temperature			-50 °C (-200 °C)	see remark (1)
Thermal conductivity	Thickness <25 mm	λ_{ϑ} at -10 °C at 0 °C at +10 °C	$0.033 + 7.1316 \cdot 10^{-5} \cdot \vartheta + 1.2533 \cdot 10^{-6} \cdot \vartheta^2$ $\leq 0.032 \text{ W/(m}\cdot\text{K)}$ $\leq 0.033 \text{ W/(m}\cdot\text{K)}$ $\leq 0.034 \text{ W/(m}\cdot\text{K)}$	Test acc. to DIN EN ISO 8497
	Thickness ≥ 25 mm	λ_{ϑ} at -10 °C at 0 °C at +10 °C	$0.036 + 7.1316 \cdot 10^{-5} \cdot \vartheta + 1.2533 \cdot 10^{-6} \cdot \vartheta^2$ $\leq 0.035 \text{ W/(m}\cdot\text{K)}$ $\leq 0.036 \text{ W/(m}\cdot\text{K)}$ $\leq 0.037 \text{ W/(m}\cdot\text{K)}$	Test acc. to DIN EN ISO 8497
Water vapour permeability	Thickness <25 mm	Moisture resistance factor μ	≥ 10000 No separate vapour barrier required	Test acc. to DIN EN 13469
	Thickness ≥ 25 mm	Moisture resistance factor μ	≥ 7000 No separate vapour barrier required	Test acc. to DIN EN 13469
Fire behavior	Thickness ≤ 45 mm	Euroclass characteristics (2)	B _L -s2, d0	
	Thickness >45 mm	Euroclass characteristics (2)	C _L -s2, d0	Test acc. to DIN EN 13501-1
	Tape	Euroclass characteristics (2)	B-s3, d0	
		Characteristics acc. to British Standard	Class O	In acc. with UK Building Regulations
		Surface spread of	Class 1	Test acc. to BS 476-7

		flame Fire propagation	Total spread index: <12 Sub Index 1: <6 Self-extinguishing, no drips	Test acc. to BS 476-7 Test acc. to BS 476-6
Resistance to	Corrosion Mould and bacteria		Satisfies requirements No growth	In acc. with DIN 1988 Test acc. to DIN EN ISO 846 Meth. A+C In acc. with VDI 6022
Insulation material index number acc. to AGI			36.12.02.05.04	
Environmental aspects			No biocides added	
Health aspects			Fibre-free: For high hygiene requirements Free from heavy metal (e.g. cadmium, lead) and formaldehyde	
Other properties	ph-Value		7	
Other certificates/ approvals			CE-compliant UL-approved (UL94) FM-approved DNV, Lloyd's Register, See BG IAC Gold	In acc. with UL94 V-0, HF 1 In acc. with ISO 16000, Part 3 & 6
Storage	Self-adhesive products		The material must be installed within one year after delivery and proper storage. Store in a dry room at a typical relative humidity (between 50 % and 70 %) and room temperature (between 0 °C and +35 °C)	
Tolerances & limits			Satisfies requirements	In acc. with EN 14304:2009+ A1:2013
Outdoor applications			Needs protection against UV radiation	see remark (3)

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Remark (1) For temperatures below -50°C , please contact our Technical Support Team for advice.

Remark (2) The Euroclass rating applies to metallic or solid mineral substrates.

Remark (3) To protect against UV-induced deterioration, the surface must be either painted using colour paint or covered with a suitable UV-resistant cladding system within 1 day of being installed outdoors.

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