

Your highly flexible insulating material for refrigeration, air conditioning and solar heating systems.

Noiseflex® Vallo is a highly flexible, closed cell EPDM-based insulating material distinguished by the outstanding properties of its materials, such as the high resistance to weather, UV and ozone, the excellent temperature resistance and the particularly low thermal conductivity ($\lambda_{40\text{ °C}} = 0.040 \text{ W / mK}$).

Noiseflex® Vallo insulating material offers you the following advantages:

- lightweight, flexible, closed cell EPDM insulation
- no embrittlement of copper and stainless steel piping pursuant to DIN 1988-200
- temperature resistant from -50 °C to 150 °C (Noiseflex® Vallo remains flexible down to -50 °C , but may be used down to -200 °C ; it is also short time rated up to $+175\text{ °C}$ (standstill temperature of collectors))
- **Noiseflex® Vallo** has been tested in accordance with DIN EN ISO 846. **Noiseflex® Vallo** meets the requirements for microbial inertness as per VDI [Association of German Engineers] 6022, Sheet 1 and, based on this test, is suited for use in ventilation systems.

Application of Noiseflex® Vallo

- Refrigeration, ventilation and air conditioning
- Sanitation and heating
- Solar heating systems

Technical data:

Lower application temperature	- 50 °C	EN 14706 / EN 14707
Recommended maximum long-term thermal stability	+ 150 °C	
Recommended maximum short-term temperature resistance	+ 175 °C	
Upper application temperature of the insulating material ST(+)	+ 180 °C	EN 14706 / EN 14707
Thermal conductivity at 0 °C	$\lambda_{0\text{ °C}} = 0.036 \text{ W / m}\cdot\text{K}$	EN 12667 / EN ISO 8497
Thermal conductivity at + 10 °C	$\lambda_{10\text{ °C}} = 0.037 \text{ W / m}\cdot\text{K}$	EN 12667 / EN ISO 8497
Thermal conductivity at + 40 °C	$\lambda_{40\text{ °C}} = 0.040 \text{ W / m}\cdot\text{K}$	EN 12667 / EN ISO 8497
Water vapour diffusion resistance at 23 °C	$\mu \geq 3000$	EN 12086 / EN 13469
Fire behaviour	Fire classification E	EN 13501-1 / ISO 11925-2

Forming:

Our competence is based on the newest generation of processing technology. Individual forming is even possible for unusual work pieces. We would be happy to provide you with an individual offer based on drawings, sketches or CAD files. We look forward to your request.

Noise and vibration protection:

The high elasticity of **Noiseflex® Vallo** reduces vibrations and noise in cold and hot water pipes during operation.

Flexible and space-saving:

The elasticity of **Noiseflex® Vallo** makes it fast and easy to install. Its low and constant heat conductivity means that thinner wall thicknesses are often needed for insulation than with other products.

Attention! Important Note:

Above information are based on best present knowledge of current technology, but do not guarantee faultless processing of our products. The information is based on practical results of our tests, but is not binding and does not constitute warranties of characteristics in terms of Federal Supreme Court jurisdiction. Our information does not constitute a legally binding assurance of certain properties or suitability for a specific purpose. Supplementary information by our specialists are merely recommendations, for which no liability is accepted.

Due to the many possible applications of our products, we recommend subjecting the project to a thorough suitability test on original materials before release for further application.

Since our information are non-binding we do not warranty their correctness. For this reason we accept no liability for possible improper processing based on information submitted by our employees.

This technical data sheet replaces all previous versions and is valid until a new version is issued, or until Dec. 31, 2024. Please request the latest version after Jan. 01, 2025.

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