

PE Intermediate Cushioning Tape is a one-sided self-adhesive tape which can be used for many applications. The tape is suitable as an intermediate cushioning tape in glazing, for sealing parapet elements, for thermal insulation, air-tight sealing as for padding and cushioning.

Technical data:

Composition	closed-cell polyethylene soft foamed material with an application/coating of siliconised foil		
Colours	anthracite or white		
One-sided adhesive layer	synthetic rubber		
Adhesive strength	material failure		ISO 29862
Temperature stability	- 30 °C to + 80 °C		
Condensation resistance	very good		
Working temperature	min. + 5 °C		
Data of the foam material			
Density	approx. 30 kg / m ³		ISO 845
Tensile strength	lengthwise	325 kPa	ISO 1926
	crosswise	220 kPa	
Elongation at break	lengthwise	125 %	ISO 1926
	crosswise	115 %	
Compression hardness at 50 % compression	98 kPa		ISO 844
Compression set	0,5 h after load removal	20 %	ISO 1856-C, 25 % / 22 h / 23 °C
	24 h after load removal	12 %	
Water absorption	< 1.0 vol. %		after 7 days

The self-adhesive coating is most adhesive at approx. + 20 °C. These tapes can be delivered with double-sided self-adhesive coating or without any self-adhesive coating.

Resistance:

PE Intermediate Cushioning Tape is resistant to most common chemicals such as salt water, chlorinated solvent, acetone, alcohol, pure benzene, formaldehyde solution 35%, heating oil, sodium hydroxide solution 1%, acetic acid, hydrochloric acid 30%, sulfuric acid 30% with ethanol.

Storage:

12 months after production date in the closed original drum at temperatures from 15 °C to 25 °C and a relative humidity of 40 % to 60 %.

Fire behaviour:

PE Intermediate Cushioning Tape is thus normally inflammable (fire classification E) in accordance with DIN EN 13 501-1. This applies only to our PE Intermediate Cushioning Tape when approximately 50 % compressed, used as a joint sealing strip between metal or solid mineral construction materials. The fire behaviour can be negatively influenced in connection with other materials (e.g. additional coatings), making the classification invalid. The fire behaviour of the material in connection with other materials must be proven separately.

Microbial Inertness:

PE Intermediate Cushioning Tape black fulfils the requirements of VGI 6022 for microbial inertness and is according to this test suited for application in air conditioning plants.

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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