

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:

Quality		closed-cell polyethylene foamed material	
Density		approx. 33 kg / m ³	ac. to DIN 54 320
Adhesive base		rubber based Hot-Melt	
Adhesive power		> 10 N / 25 mm (material break)	ac. to AFERA 4001 P11
Water absorption		approx. 3.0 vol. %	ac. to DIN 53 428
Permanent set		approx. 19 %	ac. to DIN 53 572
Tensile strength		0.42 N / mm ²	ac. to DIN 53 571
Elongation at break		176 %	ac. to DIN 53 571
Compression strength		8 N / cm ² at 40 % deformation	ac. to DIN 53 577
Thermal conductivity	λ_{10} at 10 °C	0.034 W / (m·K)	
	λ_{40} at 40 °C	0.039 W / (m·K)	
Fire behaviour		Fire classification E	ac. to DIN EN 13 501, part 1 under certain conditions
Temperature stability		- 30 °C to + 80 °C	
Working temperature		at least + 5 °C	
Resistance to	weathering	good	
	solvents	limited	
	UV rays	limited	
	hydrolysis	good	
	condensation	very good	
	aging	good	
Colour		anthracite or white	
Self adhesive covering		with or without covering foil	
Covering		PE foil or silicon paper	

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, 2020. Please request the latest version after Jan. 01, 2021.

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