

# Technical Information

## Cellular Rubber EPDM Tape



Tape made from closed-cell cellular rubber (EPDM) with following advantages:

- very good resistance to aging, weathering and UV
- good restoring force
- excellent thermal behaviour
- very good fire behaviour

### Areas of application:

- Decoupling and thermal and / or acoustic isolation in ventilation and conditioning plants
- Bearing and mounting of solar / photo voltaic plants
- Positioning patients on pressure relieving mattresses
- Technical seals in plant engineering and construction



### Technical data:

Temperature stability	- 30 °C to + 80 °C	
Fire behaviour	Class B1 (flame retardant)	DIN 4102, between metallic and mineral building material
<b>Adhesive</b>	acrylate dispersion, solvent-free	
Covering material	siliconized polyolefin film, white	
Adhesive strength (3 mm material)	> 5 N / 25 mm	AFERA 5001, Kontaktzeit 1 h
<b>Foam</b>	EPDM	
Density	85 – 150 kg / m <sup>3</sup>	
Tensile strength	≥ 350 kPa	
Elongation at break	≥ 120 %	
Compression deflection (25 %)	20 – 65 kPa	ASTM D 1056
Water absorption	≤ 8 %	
Outdoor exposure	resistance to weathering very good	
Resistance towards ozone	very good resistance	

### Chemical resistance:

Medium	Evaluation *)
Diluted acids	+
Diluted bases	+
Chlorine gas	0
Hot ammonia	0
concentrated hydrochloric acid	0
Solid animal and vegetable greases	0
Organic solvents	-
Chlorinated solvents	-
Animal and vegetable oils	-

\*) + suitable  
 0 suitable to only a limited extent  
 - not recommended

### Tab. 1:

Chemical resistance of Cellular Rubber EPDM Tape based on 23 °C.

The information refer only to the cellular rubber material and do not refer to the adhesive and the adhesion behaviour.

The microbial metabolisability of Cellular Rubber EPDM Tape has been tested corresponding to DIN 846, method A and C. The result of these tests has been that Cellular Rubber EPDM Tape is no appropriate nutrient medium for growth of fungi and / or bacteria.

Therefor Cellular Rubber EPDM Tape is suited for applications in ventilation and conditioning plants corresponding to VDI 6022. If Cellular Rubber EPDM Tape is applied between metal or solid mineral materials, it meets the requirements specified for issue of a General Technical Test Certificate for Building Material Class DIN 4102 B1 (flame retardant building material) to DIN 4102 Part 1, May 1998 Version:

**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 %

**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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