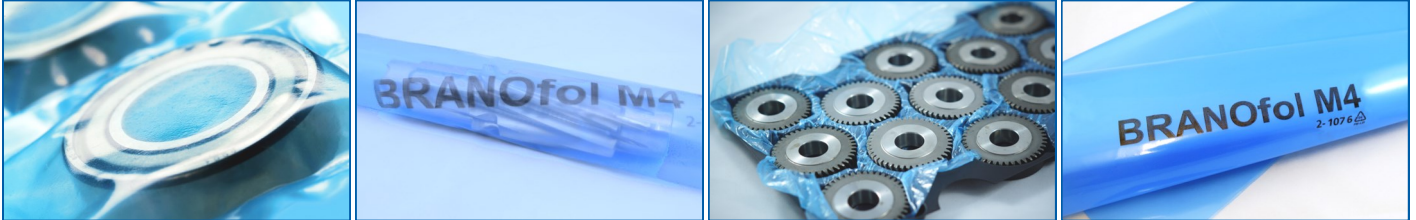


BRANOfol M4

VCI Corrosion Protection Film



Characteristics

Adding to a one or both side active-, nitrite free-, quick up- as well as long term protection the new **BRANOfol M4** provides excellent optical parameter because of a low light scattering.

According to TL8135-0043 level 3 (VIA-test) **BRANOfol M4** guarantees a quick up VCI protection within the atmosphere. It is water-proof, weldable and suitable for automatic packaging as well as bag production. **BRANOfol M4** is available from 40 to 300 µm, in different colours and also as a VCI-embossing film.

BRANOfol products continuously release small amounts of corrosion protection agents inside of the packaging (VCI: Volatile Corrosion Inhibitors), helping to provide effective protection against corrosion for metal parts during transport or storage.

The protecting atmosphere is, depending on the volume of the package, available after a short time. This holds true even after having opened the package for a short time – the protecting atmosphere will be rebuilt immediately afterwards.

Protection scope

BRANOfol M4

- nitrite free (TRGS 615 compliant)
- surpasses DIN EN ISO 6270-2
- confirm to TL8135-0043, level 3

Protects steel, cast iron (only on contact), zinc plated steel, tin, aluminium, chromium, zinc, copper and its alloys reliably against corrosion

The scope of protection can be extended if the used materials and alloys are known in detail.

Storage and Duration of Protection

Components packed with **BRANOfol** are reliably protected against corrosion for up to twelve months. In addition, with a detailed knowledge of the application **BRANOfol** is suitable for long-term conservation > 10 years, e. g. for the final stockpiling of series of component. Our application consultants will advise you personally on the existing possibilities.

BRANOfol should be stored cool, dry and protected from direct sunlight. In the original packaging, the storage suitability is up to three years.

Advantages

- Excellent optical parameter
- Quick up VCI Protection
- Confirm to TL8135-0043, level 3
- High elasticity and tear strength
- Can be used for all plant and component sizes
- Minimized failure risk due to high process reliability
- Protected components can be used immediately after unpacking – no cleaning or degreasing necessary
- Active corrosion protection without oiling, greasing or coating – no elaborately equipment etc. necessary
- Simple and sustainable packaging
- Materials can be easily recycled and disposed of
- Economically efficient due to high time savings in packing and unpacking
- Development of customized solutions possible



Brangs + Heinrich
Verpacken. Schützen. Sichern.

BRANOfol M4

Product Information

Delivery Forms

Flat film, sheets, bags, half tubes, hoods, tubes, side-pleated tubes, pallet liners, Boxed hoods, elastic string bags, zip lock bags.

Further sizes, designs and prints on demand

Disposal

BRANOfol M4 can be recycled. Soiled film has to be disposed through waste incineration.

Operation Safety

BRANOfol products comply with TRGS 615 and are not a hazardous substance in the sense of the REACH regulation. No monitoring according to TRGS 900 is required.

Recyclate

BRANOfol M4 VCI corrosion protection films are also available with a recyclate content of 30% as standard. The proportion of recyclate can be individually adjusted according to requirements. This means that environmental guidelines and packaging requirements (such as the plastic tax in the UK) can be met. The BRANOfol team is at your disposal to provide you with information and options for **BRANOfol M4** with recyclate content.

Types

BRANOfol M4	Additional to the standard, BRANOfol M4 is expandable with different additives or polymers for shrinkable, high tear proof, UV stable, high elasticity, electrical conductive or flame-retarding.
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Facts

Parameter	Test method	Unit	BRANOfol
Tensile strength lengthwise/transversely	DIN EN ISO 527-3/2/500	MPa	> 25
Stretching lengthwise/transversely	DIN EN ISO 527-3/2/500	%	> 600
Dart-Drop	ASTM D1709/A	g	> 550
Water vapour permeability	DIN EN ISO 15106 (23 °C, 85 % r. F.)	g/m ² * d	≤ 1
Operating temperature	Temporary: max. 70 °C Constantly: -10 °C to 40 °C		
The mechanic parameters surpass the specifications of the norm DIN 55530.			

The information corresponds with typical values of BRANOfol M4.10XS. Binding are the respective product specifications.

The translation of this document is done with the help of AI. Please note that automated translations may be inaccurate and we do not guarantee the accuracy or completeness of the translated content.

The original languages of our documents are German and English.

Please pay close attention to thickness and impermeability to water vapour when selecting your VCI films. Both of these parameters are of decisive importance for corrosion protection and should therefore be selected with the specific application in mind.

BRANOpac
Solutions with System

More information available
at:
www.brangs-heinrich.de



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