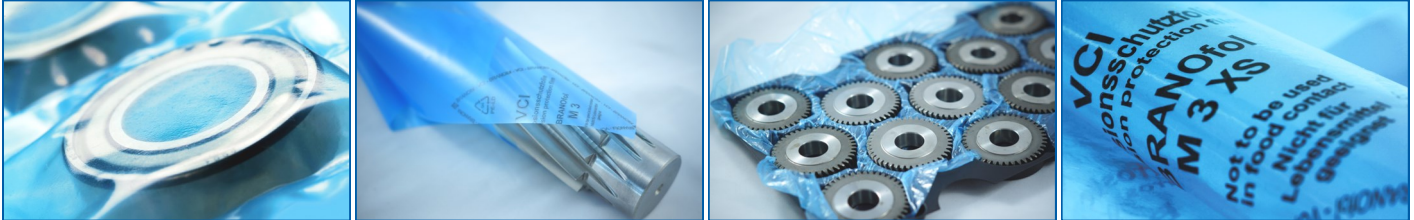


BRANOfol M3, R3

VCI Corrosion Protection Film



Characteristics

BRANOfol M3 and **BRANOfol R3** are blue dyed, special polyethylene film with double-sided active VCI corrosion protection which effectively protect metal parts from corrosion during transport or storage.

They are water-proof, weldable and suitable for automatic packaging as well as bag production. **BRANOfol M3** and **BRANOfol R3** are available from 40 to 300 µm and also available as 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 M3

- nitrite free
- surpass test standard
DIN EN ISO 6270-2

Protects steel, cast iron (only on contact), zinc plated steel, tin, aluminum, 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.

BRANOfol R3

- contains nitrite
(TRGS 615 compliant)
- surpass test standard
DIN EN ISO 6270-2
- complies with
TL8135-0043, level 3

Has been increasingly developed for the iron protection. It protects steel, chromium, tin, pure aluminum and cast iron 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

- High elasticity and tear strength
- Can be used for all plant and component sizes
- Minimized failure risk due to high process reliability
- Economically efficient due to high time savings in packing and unpacking
- 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
- Development of customized solutions possible



Branopac
Solutions with System

BRANOfol M3, R3

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.

Disposal

BRANOfol M3, R3 can be recycled. Soiled film has to be disposed through waste incineration.

Operation Safety

BRANOfol M3, R3 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.

Types

BRANOfol M3	M3	-	standard
	M3 S	-	shrinkable
	M3 XS	-	highly tear-proof
	M3 SXS	-	highly tear-proof and shrinkable
	M3 XA	-	dissipative, ESD-D
	M3 ESD	-	conductive, ESD-C
	M3 FL	-	flame-retarding
	M3 UV	-	UV-stable
	M3 XE	-	extra elastic
M3 SUV	-	shrinkable and UV stable	
BRANOfol R3	R3	-	standard
	R3 XS	-	highly tear-proof
	R3 SXS	-	highly tear-proof and shrinkable
	R3 XA	-	dissipative, ESD-D

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 5106 (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 M3.10XS/ R3.10 XS Binding are the respective product specifications.



Thanks to the BRANOpac modular system – the BRANOfol – all our VCI films can be individually adapted to the requirements of our customers. We would be happy to advise you on this in a personal meeting.

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.

All of the information contained herein is based on current knowledge and is not binding. No liability is assumed for improper use.

More information available at:

www.branopac.de

www.branopedia.de

www.linkedin.com/company/branopac-gmbh

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