



BRANOfol M3

VCI corrosion protection film



■ **BRANOfolguard**
 Temporary corrosion protection for the automotive, machine construction and metal working industry.

■ Product characteristics

BRANOfol M3 is a blue dyed, nitrate-free special polyethylene film with double-sided active VCI corrosion protection. It is water-proof, weldable and suitable for automatic packaging as well as bag production.

BRANOfol M3 is available from 40 to 250 µm.

BRANOfol products constantly emit small amounts of corrosion inhibiting substances (VCI: Volatile Corrosion Inhibitors) which effectively protect metal parts from corrosion during transport or storage.

- **BRANOfol M3 Basic** is a standard corrosion protection film.
- **BRANOfol M3 XS Premium** is a highly tear-proof corrosion protection film.
- **BRANOfol M3 SXS Premium** is a highly tear-proof and shrinkable corrosion protection film. Due to the excellent shrink ability it is especially suited to secure loads during short transports.
- **BRANOfol M3 XA Premium** is a violet, antistatic corrosion protection film. Due to the antistatic properties it is very well suited for packages combining metal parts and electronic components.
- **BRANOfol M3 ESD Premium** is a black, electrically conductive corrosion protection film. It is used for packaging electronic printed circuits and other sensitive electronic components.
- **BRANOfol M3 FL Premium** is a flame retardant corrosion protection film that can also be produced in a highly tear-proof version. It corresponds with the fire protection classification B2. This film is used in areas with a high risk of fire hazards due to spontaneous combustion or where open fire is used.
- **BRANOfol M3 KL Premium** is a cross-laminated corrosion protection film that is especially suited for packaging that requires a high tear-resistance.
- **BRANOfol M3 UV Premium** is a UV-stable corrosion protection film especially suited for long periods of outside storage.

■ Advantages

- Environmentally-friendly corrosion protection without greasing or lubricating
- Metal parts can be used immediately
- Extremely time-saving
- Packaging material and corrosion protection all-in-one
- Easy recycling/disposal
- Low requirements on the outer packaging
- Protection from moisture at the same time
- Presents no health risk
- High elasticity and tear strength
- **Development of customized-solutions**



Branopac
 Solutions with System

BRANOfol M3

Product information

Available as

Flat film, sheets, bags, half tubes, hoods, tubes and side-pleated tubes

Special orders

Boxed hoods, elastic string bags, zip lock bags, custom-made productions and special prints.

Storage

Cool and dry, protected from direct sunlight. Shelf-life in the original packaging up to 36 months.

Disposal

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

Occupational safety

BRANOfol M3 is not a dangerous material – according to the ordinance for hazardous substances – and complies with TRGS 615. TRGS 615 recommends the use of appropriate safety-gloves when working with corrosion protection material.

BRANOpac recommendation: Campura Comfort“Nr. 619 from the KCL company



Scope of protection	<ul style="list-style-type: none"> Steel, cast iron (only on contact), galvanized steel, nickel, aluminium. Chrome, zinc as well as copper and copper alloys. BRANOfol protects up to 12 months depending on climatic conditions and the tightness of the packaging. If the application is known the term of protection can be adjusted. 																										
Usage	<ul style="list-style-type: none"> Packaging has to form a closed space. Contact with water, high humidity, draught and pollution have to be eliminated. The surfaces that need to be protected have to be dry and be free of residue that could promote corrosion. For heavily oiled parts we recommend a blank film. BRANOfol M3 protects effectively from corrosion even after opening the packaging for a short period of time, the protective VCI atmosphere is completely rebuild right away. Additional usage hints can be found in our document “General information for handling VCI“. 																										
Facts	<table border="1"> <thead> <tr> <th>Parameter</th> <th>Test method</th> <th>Unit</th> <th>BRANOfol M3</th> </tr> </thead> <tbody> <tr> <td>Tensile strength lengthwise/transversely</td> <td>DIN EN ISO 527 -3/2/500</td> <td>MPa</td> <td>> 25</td> </tr> <tr> <td>Stretching lengthwise/transversely</td> <td>DIN EN ISO 527 -3/2/500</td> <td>%</td> <td>> 600</td> </tr> <tr> <td>Dart-Drop</td> <td>ASTM D1709/A</td> <td>g</td> <td>> 550</td> </tr> <tr> <td>Water vapour permeability</td> <td>DIN 53122 (23 °C, 85% r. F.)</td> <td>g/m² * d</td> <td>≤ 1</td> </tr> <tr> <td>Operating temperature</td> <td colspan="3">Temporary: max. 70°C Constantly: -10°C to 40°C</td> </tr> </tbody> </table> <p>The information corresponds with typical values of BRANOfol M3.10 XS. Binding are the respective product specifications.</p>			Parameter	Test method	Unit	BRANOfol M3	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 53122 (23 °C, 85% r. F.)	g/m ² * d	≤ 1	Operating temperature	Temporary: max. 70°C Constantly: -10°C to 40°C		
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Our BRANOfol expert-team is happy to advise you and together we will develop individual solutions if the need arises.

Additional information can be found under:
www.branopac.com or www.branopedia.com



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Solutions with System

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Pay attention to thickness and vapour density when choosing your VCI-film. Both parameters are decisive for corrosion protection and should be specifically chosen based on the application.

The previous information corresponds with the current state of knowledge, is non-binding and – if necessary – has to be adjusted to local conditions. Legal claims cannot be derived.