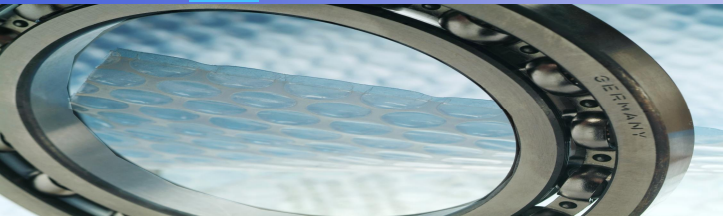




# BRANOfol M3 SXS

VCI anticorrosion film  
shrinkable & x-tra strong



## BRANOGuard

Temporary corrosion protection for automotive, mechanical engineering and metal processing industries.

## Characteristics

BRANOfol M 3 SXS is a shrinkable, bluish, nitrite-free and extremely stretchable special-polyethylene foil, two-side active, with active VCI corrosion protection. It is waterproof and weldable. Due to its shrinking qualities, BRANOfol SXS is the right product to secure loads during short transports.

By emitting constantly a small amount of active anticorrosion substances (VCI principle: Volatile Corrosion Inhibitor), BRANOfol M3 SXS helps to protect metal parts during transport and storage. Active VCI agents effuse and build up a protecting atmosphere, which protects reliably against rust, even after having opened the package for a short time - the protecting atmosphere can be rebuild immediatly.

The distance from the foil to the metal depends on the package volume and the time permitted for a protecting atmosphere to build up. A rule of thumb: 10 cm

## Development of the Protecting Atmosphere

Volume :	Duration:
< 25 L	approx. 30 Min.
< 1 m <sup>3</sup>	approx. 3 Hours
> 10 m <sup>3</sup>	> 10 Hours



## Range of Protection

BRANOfol M3 SXS protects steel, cast iron in contact, galvanized steel, nickel, aluminium, chromium, zinc and copper and its alloys reliably against corrosion.

Test is recommended for cadmium and magnesium and its alloys.

Duration of protection: Depending on the climate condition and closeness of package, up to 12 month.

For application advice, please contact your application specialist.

## Advantages

- Corrosion protection without oiling and greasing
- Package and anticorrosion protection in one
- Metal parts are ready for use at any time
- Economy of time
- Simple disposal
- Low package requirements
- In accordance with TRGS 615
- Additional stability through shrinking
- Protects against humidity
- Represents no health hazard
- Extremely good stretchability and breaking strength



**Branopac**  
Solutions with System

# BRANOfol M3 SXS

## Product Information

### Forms of Delivery

Plain foils, sheets, bags, domes, tubes, half tubes and satchel tubes.

### Special Forms

Hoods, customer printings.

### Storage

Cool and dry, shielded from the sun. Maximum storage time in the original package: 12 months.

### Disposal

BRANOfol M3 SXS can be supplied for material utilisation. Dirty foils must be disposed of through waste burning.

### Operation Safety

According to the hazard substance ordinance, BRANOfol M3 SXS is not a dangerous preparation.

The above statements are in accordance with current knowledge, non-binding, and, should the situation arise, must be adapted to local requirements. A legal precedent cannot be derived from that.

### Application

The packing should form a closed space so that the best possible utilisation of VCI foil BRANOfol M3 SXS can be achieved. Water entering the packaged item is to be avoided and to be locked out.

The surfaces to be protected must be dry and free from corrosion-stimulating residues, such as finger sweat and aggressive matter of washing agent, etc. Acids or strong bases interfere with the corrosion protection system. In case of doubt, we recommend a compatibility test to be carried out.

The parts to be protected should not have any direct contact with wood or acidic materials. Atmospheric impurity as well as relative air humidity should be kept out of the package (e.g., no wood parts to be packed together).

If strongly oiled parts are packed, then we recommend the application of nonprinted film, since the printing in contact with oil can possibly be solved.

### Typical Technical Parameters

Properties	Test-Method	Unit	M3.20 SXS
Thickness	ISO 4593	µm	200
tensile strength MD	DIN EN ISO 527-3/2/500	MPa	29
tensile strength CD	DIN EN ISO 527-3/2/500	MPa	30
breaking load MD	DIN EN ISO 527-3/2/500	kN/m	5,6
breaking load TD	DIN EN ISO 527-3/2/500	kN/m	5,8
elongation at break MD	DIN EN ISO 527-3/2/500	%	670
elongation at break MD	DIN EN ISO 527-3/2/500	%	730
Impact Resistance (Dart-Drop)	ASTM D1709/A	g	> 850
Water Vapour Transmission	DIN 53122 (23 C, 85%r. F.)	g/m <sup>2</sup> * d	0,4

BRANOpac GmbH  
Gottlieb-Daimler-Str. 18-20  
35423 Lich, Germany  
Tel: +49 6404 9142-0  
Fax: +49 6404 9142-700  
E-Mail: info@branopac.com

You will find more  
information at  
[www.branopac.com](http://www.branopac.com)



**BRANOpac**  
Solutions with System