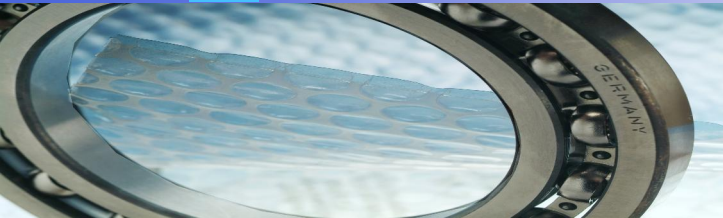




BRANOfol M1 XS

VCI anticorrosion film x-tra strong



■ BRANOGuard

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

■ Characteristics

BRANOfol M1 XS is a bluish transparent, extreme stretchable special-polyethylene foil, two-side active, with active VCI corrosion protection. It is waterproof, weldable and suitable for automatic packing as well as paper bag production.

By emitting constantly a small amount of active anticorrosion substances (VCI principle: Volatile Corrosion Inhibitor), BRANOfol M1 XS 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 immediately.

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

■ Development of the Protecting Atmosphere

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



■ Range of Protection

BRANOfol M1 XS protects steel, cast iron in contact. nickel, aluminium, chromium and zinc reliably against corrosion.

Test is recommended for cadmium, magnesium and its alloys as well as copper 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
- Transparent package
- Sealable to bags, tubes
- Protects against humidity
- Represents no health hazard
- Extremely good stretchability and breaking strength



Branopac
Solutions with System

BRANOfol M1 XS

Product Information

Forms of Delivery

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

Special Forms

Reclosable film bag, film bag with tie cord, self-adhesive bag.

Storage

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

Disposal

BRANOfol M1 XS can be supplied for material utilisation. Dirty foils must be disposed of through waste burning.

Operation Safety

According to the hazard substance ordinance, BRANOfol M1 XS 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 M1 XS 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).

BRANOfol M1 XS is processible in mild heat impulse and in separating-seam welding (up to 100 µm thickness).

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.

Technical Details

Properties	Test-method	Unit	M 1.10 XS	M 1.15 XS
Thickness	ISO 4593	µm	100	≥150
Tensile strength MD	DIN EN ISO 527-3/2/500	MPa	≥30	≥30
Tensile strength CD	DIN EN ISO 527-3/2/500	MPa	≥28	≥28
Breaking load MD	DIN EN ISO 527-3/2/500	kN/m	≥2,0	≥3,0
Breaking load TD	DIN EN ISO 527-3/2/500	kN/m	≥1,8	≥2,7
Elongation at break MD	DIN EN ISO 527-3/2/500	%	≥600	≥600
Elongation at break CD	DIN EN ISO 527-3/2/500	%	≥650	≥650
Water vapour transmission	DIN 53122 (23 C, 85% r. F.)	g/m ² * d	≤1,0	≤0,7
Impact Resistance (Dart Drop)	ASTM D1709/A	g	≥450	≥600

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