

# BRANOFOL VCI CORROSION PROTECTION FILM



BRANOFOL TRANSPARENT FILM RELIABLY PROTECTS METALS AGAINST CORROSION AND DIRT.

## DESCRIPTION

BRANOFOL VCI corrosion protection film is a high quality, special polyethylene film that works both from a distance and on contact. It is waterproof, weldable and suitable for use in automated packaging processes and for bag manufacturing. BRANOFOL is available in strengths of 40 up to 300 µm.

BRANOFOL corrosion protection films constantly release small amounts of corrosion protection substances, thus effectively protecting metal components like steel, cast iron or zinc during transport and storage. Protection is provided for up to 12 months depending on the climatic conditions and how tightly sealed the packaging is. A longer protection period is possible if exact details of the application, storage conditions and transport are known. Long-life packaging that provides protection for more than 10 years is also available.

## HANDLING

**STORAGE:** Store in a cool, dry place away from direct sunlight. Maximum storage time in the original packaging: 3 years.

**REQUIREMENTS:** The metals to be protected must be dry and free of residues that promote corrosion. Contact with wood, corrugated board and acidic substances must be avoided.

**PACKAGING:** The packaging must form a closed, draft-tight space.

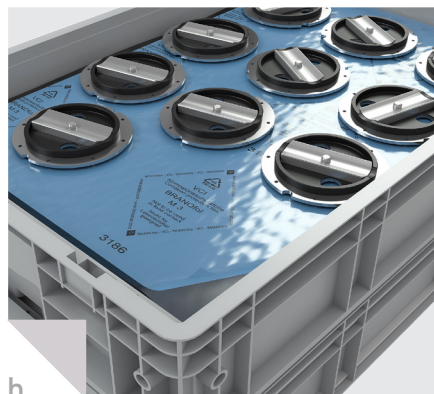
**OCCUPATIONAL HEALTH AND SAFETY:** BRANOFOL is not a hazardous formulation as defined in the hazardous materials ordinance and complies with TRGS 615.

## APPLICATIONS



a

BRANOFOL as pallet cage wrapping for work-pieces or bulk material



b

BRANOFOL as an intermediate layer for work-pieces



c

BRANOFOL pressure lock bag for small components

## TECHNICAL DATA

|                                | BRANOFOL M3  | BRANOFOL M4  |
|--------------------------------|--|--|
| Scope of protection            | Iron, Steel, cast iron (on contact), galvanised steel, tin, aluminium, chrome, zinc, copper and its alloys                     | Iron, Steel, cast iron (on contact), galvanised steel, tin, aluminium, chrome, zinc, copper and its alloys |
| Possible additional properties | highly tear resistant (XS), highly tear resistant and shrinkable (SXS), anti-static (XA), conductive (ESD), UV-stabilised (UV) |  |
| Other                          | nitrite-free   | nitrite-free, TL8135-0043, level 3, haze value < 28 %  |
| Duration of protection         | Up to 12 months; the duration of protection may be modified with precise understanding of the application.                     |  |
| Approvals                      | Approvals of various car manufacturers and their suppliers are available   |  |

| Technical detail   | Test method  | Unit                 | BRANOfol |
|--|--|----------------------|----------|
| Tensile strength lengthwise/crosswise  | DIN EN ISO 527-3/2/500                                     | MPa                  | > 25     |
| Elongation lengthwise/crosswise  | 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 <sup>2</sup> * d | < 1      |
| Operating temperature  | for a short time: max. 70 °C, constantly: -10 °C bis 40 °C |                      |          |
| The mechanical parameters exceed the specifications of the DIN 55530 standard. |  |                      |          |

The data corresponds to typical values for BRANOfol M3.10 XS / BRANOfol M4.10 XS.

## ADDED VALUE



**TIME SAVING** - The foil does not require welding. The metal parts do not have to be greased or degreased: i.e. they can be used immediately.



**GUARENTEED PROTECTION** - BRANOFOL continues to provide effective protection against corrosion even if the packaging is opened briefly. The VCI protective atmosphere is fully restored when the packaging is closed again.



**FAST** - The film is transparent, so the packaged product can be fully inspected at any time without opening the packaging.



**ENVIRONMENTALLY FRIENDLY** - BRANOFOL is environmentally friendly and therefore not harmful to health. They is also easily recyclable.

Would you like to find out more about the protective action of BRANOFOL?  
Please get in touch for further information and advice!

**Kerstin Lau,**  
Manager, Corrosion Protection Process  
and Application Engineering



## GENERAL

### Information

This information was accurate at the time of going to press, is non-binding and should be adjusted where appropriate in the light of local conditions. No rights may derived from the information contained herein.

### DE

**Antalis Verpackungen GmbH**  
Bunsenstrasse 11  
70771 Leinfelden-Echterdingen  
Tel.: +49 (0)711 75907-0  
Fax: +49 (0)711 75907-89  
info@antalis-verpackungen.de  
www.antalis-verpackungen.de

### AT

**Antalis Verpackungen GmbH**  
Handelszentrum 8  
5101 Bergheim/Salzburg  
Tel.: +43 (0)662 451263-0  
Fax: +43 (0)662 451263-13  
info@antalis-verpackungen.at  
www.antalis-verpackungen.at

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