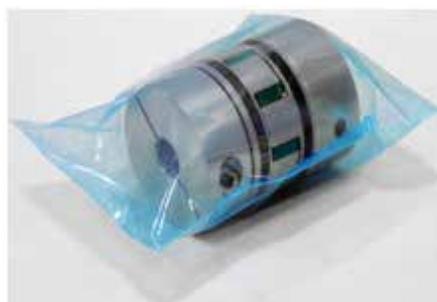


# VCIFILM

**VCIFORCE** films are a polyethylene films with volatile VCI (Volatile Corrosion Inhibitors) and offer a high level of corrosion protection along with an excellent barrier properties. They are available in various thicknesses and styles. The mono-extruded VCI films are effective in both directions and are particularly suitable for intermediate layers. Co-extruded VCI films work only in one direction and this prevents spin out of VCI and is for this they provides a significantly longer protection period. They are suitable both for packing machinery and mechanical parts as well as for lining crates, cages and boxes

## ADVANTAGES

- Anti-corrosion protection, ecological, recyclable
- Safe and non-toxic product, free from nitrites and secondary amines
- Conforms to TL 8135-0043
- Complies to the rules RoHS, TRGS 615 e REACH





# VCI FILM

Wrapped around your business

## Product description

**VCI FORCE** film is made by inserting the active principle VCI into the molten mass during the film extrusion phase. Subsequently VCI is able to sublimate from plastic by guaranteeing corrosion protection of packed metal parts. It is available in various forms of flat film packaging, tubular, single-piece, gusseted bag, square bag, cover, pressure closure envelope, sheets, shrink film, film for automatic systems etc.

## Technical data

Normally 1 m<sup>2</sup> of film can protect up to 8/ 10 m<sup>2</sup> of metal surface. Clearly the more the piece to be packed is near the emitter, the better is the effectiveness of the anti-corrosion protection.

PROPERTY		NORM	UNIT	VALUE
Thickness		ISO 4593	µm	100 (+/-) 10%
Density		ISO 1183	g/cm <sup>3</sup>	0.92-0.93
Water vapor permeability		DIN 53122	g/(m <sup>2</sup> x24h)	< 1
Durability of anti-corrosion protection(*)			months	< 24
Perforation resistance ( DART TEST )		ASTM D 1709/A	g	> 160
Breaking load (MD)	LONG.	ISO 527-3	MPa	> 18
Braeking load ( MD)	TRAS.	ISO 527-3	MPa	> 17
Elongation (MD)	LONG.	ISO 527-3	%	> 480
Elongation (MD)	TRAS.	ISO 527-3	%	> 560

[\*] respecting the directions of use

## Recommended Applications

Recommended for preservation and corrosion protection of ferrous and non ferrous metals including steel, iron, cast iron. At customer's request, the film being produced can be treated with anti-UV additives, flame retardants and anti-static ESD.

## Proper storage mode

Keep in a cool and dry place, protected from sunlight and in closed packaging, even during partial use [overnight, weekends and holidays]. Storage life of at least 24 months.

Attention: always wash your hands well after handling the product and before eating!

The above information corresponds to the current state of the technical knowledge of the matter, are not binding and must be adapted however, to the local regulations in force. Therefore civil and criminal reprisals are excluded. For further questions please contact us.



**VCI FORCE Protective Packaging**  
via dell'Artigianato, 15 - 41018  
San Cesario s/P (MODENA) ITALY  
Tel: +39 059 920010 - Fax: +39 059 921415  
Sito: [www.vciforce.com](http://www.vciforce.com) - Email: [info@vciforce.com](mailto:info@vciforce.com)