

## PRODUCT DATA SHEET

# DESILINE VCI PE

### Description and Uses

**DESILINE VCI PE** series bags and films provide effective corrosion protection to all types of metals.

Dry and clean metal parts are simply placed in VCI PE bags or wrapped with VCI PE films and an enjoyable protection for corrosion is obtained free of rust, tarnish, stains and white rust.

DESILINE VCI PE eliminates the needs for messy oils, solvent protection, greasing and etc.

The VCI vapors vaporize and condense on all metal surfaces in the closed area and therefore the VCI molecules provide complete corrosion protection during storage and shipping eliminating 100% rust and corrosion.

DESILINE VCI PE is free of phosphates, nitrites and chromates therefore do not have any hazardous effect.

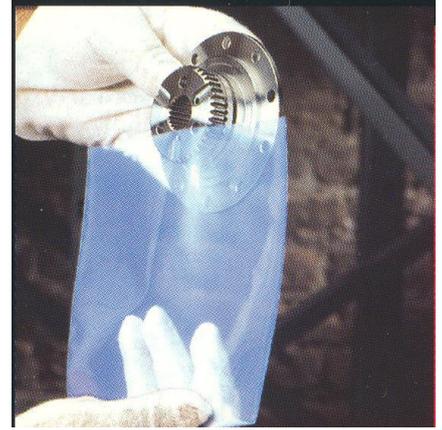
Our products are manufactured in accordance with the **GERMAN TL-8135-0043**, **MIL-STD-3010B** and **MIL-PRF-22019E** standards.

### Product Properties

- The VCI in its structure forms a strong film layer on the metal surface and provides long-term effective protection.
- Economical.
- Easy to apply.
- Provides superior physical strength with its polyethylene content specially designed for each application.
- Each piece has special packaging types.
- With its transparent structure, the package can be viewed at any time.
- Does not need to be cleaned.

### Physical Properties

Appearance	LDPE Trasparent Film
Color	Blue, Green, Yellow, Transparent
Odor	Light
Thickness (µm)	50-200



Density (g/ml)	0.92
Tensile Strenght at Yield-TD (MPa)	10.5
Tensile Strenght at Break-TD (MPa)	21.6
Tensile Strenght at Break-MD (MPa)	23.9
Tear Strenght-TD (N)	6.9
Tear Strenght- MD (N)	9.6
Elongation at Break-TD (%)	636
Elongation at Break-MD (%)	468.1

### Packing Rules

- Metal parts to be packed should be kept clean and dry.
- While handling metal parts; clean and dry gloves should always be worn to protect them from corrosive fingerprints.
- The temperature of the parts should be almost the same as the room temperature in order to prevent moisture condensation during packaging.
- In the case of stacking to be made one on another; In order for the VCI molecules to penetrate the entire surface of the metal parts homogeneously, VCI separator should be applied between the parts.
- VCI PE packaging should be tightly closed after the application.
- When VCI PE packages are not used, they should be kept in an airtight environment by tightly sealing.



### Packing

DESILINE VCI PE series are available in custom sizes and properties specially designed to meet your requirements such as heat sealable bags, perforated bags on-rolls, individually cut bags, perforated on roll sheets, sheets on roll and etc.

### Transport and Handling

DESILINE VCI PE products should always be kept in an airtight environment.

#### General Notes:

*The information in these publications reflects our own average findings and comments for our products however the use of the product may vary according to the field of application and the buyer is solely responsible for the application, use and reprocessing of the material.*