

PRODUCT DATA SHEET

DESILINE VCI ESD BAG

Description and Uses

DESILINE VCI ESD BAG series is a uniquely designed product with the ability to prevent corrosion and damage caused by ESD (electro static discharge). This static shielding product is designed to provide a static safe environment for sensitive electronic devices.

DESILINE VCI ESD BAG is used for packaging products that may come into contact with electronic or electronic devices. While protecting metal surfaces against corrosion with VCI additives in its structure, it provides effective protection against damage that may occur due to static electricity thanks to its ESD feature.



DESILINE VCI ESD BAG protects the different metals on the electronic parts against oxidation thanks to its multi-metal anti-corrosion feature, while the static charge accumulation observed in ordinary plastic bags does not occur during the packaging or unpacking of the products, it ensures that the static electricity that may arise from other products is dispersed or discharged to the grounding line.

DESILINE VCI ESD BAG is an environmentally friendly product that does not contain heavy metals and nitrites.

Our products are manufactured in accordance with **GERMAN TL-8135-0043** VCI anti-corrosion standard.

Product Properties

- The VCI in its structure forms a strong film layer on the metal surface and provides long-term effective protection.
- Provides effective protection for electrical and electronic parts by preventing the accumulation of static electricity in the bag and on its surfaces.
- It provides superior physical strength with dimensions that can be specially designed for each application.
- With its transparent structure, the inside of the package can be monitored at any time.
- Economical.
- Easy to apply.
- Does not need to be cleaned.

Physical Properties

Appearance	LDPE Trasparent Film
Color	Blue, Green, Yellow, Transparent
Odor	Light
Thickness (µm)	100
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
Surface Resistance(Ω)	Minimum: 10 ⁴ Maksimum: 10 ⁹

Packing Rules

- Metal parts to be packed should be kept clean and dry.
- Grounded metal anti-static bars and similar grounding applications should be made to eliminate static electricity that may come from the human body before handling metal parts.
- 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 case of stacking on top of each other; VCI ESD separator should be applied between the parts in order for VCI molecules to penetrate homogenously to the entire surface of the metal parts.
- After the application, the mouth of the VCI ESD bag should be closed tightly.
- When not in use, VCI ESD bag packages should be kept tightly closed in an airtight environment.

Packing

DESILINE VCI ESD BAG 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 ESD BAG 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.



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