

ZERUST® ICT®510-CLHD VCI Film

ZERUST®/EXCOR® ICT®510-CLHD VCI Film is a high-density packaging film, making it lightweight yet strong. Use ZERUST® high-density film for interleaving purposes, to laminate other materials, or as a replacement for VCI kraft paper during shipment, storage, or work in progress.

ZERUST® VCI packaging film diffuses proprietary ZERUST® VCIs (Vapor Corrosion Inhibitors) to protect metals for years. Use ZERUST® ICT®510-CLHD VCI Film to protect metal components and assemblies, machined and cast parts, and more from rust and corrosion. ZERUST® high-density packaging film is superior to corrosion-inhibiting paper due to its increased durability and resistance to moisture damage. Use to pack and protect metals in storage and overseas shipping.

ZERUST® is the inventor of poly VCI technology, and ZERUST® VCI film has proven its performance and safety* with thousands of customers worldwide for almost 50 years. It is used to protect valuable metal items for manufacturers in industries such as automotive, agricultural, aerospace, and mining. Check with your ZERUST®/EXCOR® representative for a comprehensive corrosion management solution most effective for your metal assets. ZERUST®/EXCOR® offers on-site support and service in more than 70 countries via a network of 21 joint venture partnerships.

Application Example

ZERUST® ICT®510-CLHD VCI Film sheeting is used to protect a CKD of auto parts that are being packaged for overseas shipping.



Benefits

Effective corrosion protection and packaging combined in one step

Metals are ready for use and assembly directly out of the packaging

Lightweight and strong

Provides safe* and effective ZERUST® VCI protection

Made from recyclable materials

Application Type

Storage
Shipping
Work in progress

*Safe for people. This product does not pose a health hazard to users due to its classification as an article according to EU REACH, UN GHS, US OSHA HazCom, and CA WHMIS regulations.



ZERUST® ICT®510-CLHD High-strength VCI Film

Product Information

Description	ZERUST® ICT®510-CLHD VCI Film is a high-density polyethylene product impregnated with vapor corrosion inhibitors.
Appearance	Typical colors are yellow, green, and clear. Additional colors are available upon request. Subject to order minimums.
Protected Metal Types	Available in ferrous, non-ferrous, and multimetal protection types.
Protection Duration	Protects clean metals for years when used correctly and utilized within three years from receipt. Not intended for outdoor use.
Storage	Store in original packaging away from direct sunlight in conditions below 85°F (30°C) and 50% RH for up to 3 years from the date of shipment.

Property	Direction (Machine or Transverse)	ZERUST® ICT510-CLHD Film*	ASTM Test Method
Film Thickness	-	1mil (25 µm)	D-6988
Dart Impact Resistance	-	63.5 g	D-1709
Tensile Strength at Yield	MD	2088 psi (14.4 MPa)	D-882
	TD	1885 psi (13 MPa)	
Tensile Strength at Break	MD	3872 psi (26.7 MPa)	D-882
	TD	2770 psi (19.1 MPa)	
Elongation at Break	MD	570%	D-882
	TD	660%	
Vapor Inhibiting Ability (VIA)	-	Pass	NACE TM0208

* Typical values, not meant to be a specification.

DECLARATION

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Availability

ZERUST® ICT®510-CLHD Film is available in stock and non-stock options and additives such as UV and AntiStatic. Contact a ZERUST® account manager for pricing and availability.

Part Number	Quantity
150-F-00175	13" x 12" x 1 mil sheets
150-F-00166	48" x 56" x 1.25 mil sheets
100-F-00009	48" x 2000' x 1.5 mil roll
150-F-00005	36" x 36 x 1.5 mil sheets
150-F-00163	42" x 42" x 1.5 mil sheets
150-M-00001	36" x 36" x 1.5 mil sheets

Size Range (width):
 Bags & Tubing:
 2" - 125" (flat)
 2" - 150" (gusset)
 Sheeting: 2" - 26'

Recyclable

Dispose of in accordance with local, national, and international regulations. Check on options for recycling and incineration.

Safety

- Safe for people. This product does not pose a health hazard to users due to its classification as an article according to EU REACH, UN GHS, US OSHA HazCom, and CA WHMIS regulations.
- ZERUST® VCI chemistry is safe for sensitive electronics. No galvanic effects, residues, or changes in the properties of metals. The protective molecules dissipate upon opening the package.

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