

▶ Zerust[®] ICT[®]510-SM Stretch VCI Film

Zerust[®]/Excor[®] Stretch Film contains proven Zerust[®] Vapor Corrosion Inhibitors (VCI). Use the film to wrap and protect metal items from corrosion and damage in storage and shipping. It is ideal for machine-stretch applications on large, irregularly shaped or bundled items.

Zerust[®] VCI Stretch Film is a high-quality cast packaging film that protect ferrous metals from corrosion. The film's high-stretch tension enables it to form to irregularly shaped objects. Its superior elastic stretch memory assures tear resistance and load stability in transit. The film maintains a tight wrap even after some abrasion and small cuts. Use Zerust[®] VCI Stretch Film to wrap pallet loads, bundles, large items, or irregularly shaped metal items. Smaller rolls are also available for hand-stretch applications.

Zerust[®] VCI packaging film diffuses proprietary Zerust[®] VCIs (Vapor Corrosion Inhibitors) to protect metals for years. Use to wrap and protect metal components and assemblies, machined and cast parts, and more from rust and corrosion. For additional protection and use in challenging environments, packaging can be used with Zerust[®] corrosion inhibitor liquid RPs and VCI diffuser products. Check with your Zerust[®]/Excor[®] representative for a corrosion management solution most effective for your metal assets.

Application Example

Zerust[®] ICT[®]510-SM VCI Film is used to protect a pallet of metal parts from corrosion and shifting during transit.



▶ Benefits

Effective corrosion protection and packaging combined in one step

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

Available in different sizes and metal protection types

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.

Specifications



Product Information Zerust®/Excor® ICT®510-SM Stretch VCI Film is a cast, machine grade polyethylene product impregnated with volatile corrosion inhibitors on a 3 inch core.

Appearance Typical colors are yellow or blue. Additional colors available upon request. Subject to order minimums.

Protected Metal Types Ferrous and multimetal protection formulations available. Other protection types available upon request.

Protection Life 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® ICT®510-SM Stretch Film*		ASTM Test Method
Film Thickness	-	100 gauge (1 mil)	125 gauge (1.25 mil)	D-6988
Cling Type	-	Differential, Cling + VCI side in	Differential, Cling + VCI side in	-
Pre-stretch Percent	-	Up to 250%	Up to 250%	-
Elmendorf Tear	MD	190 g-force	330 g-force	D-1922
	TD	350 g-force	900 g-force	
Dart Impact Resistance	-	130 gm	150 gm	D-1709
Tensile at Yield	MD	8.72 MPa	9.65 MPa	D-882
	TD	8.22 MPa	8.96 MPa	
Ultimate Tensile	MD	45 MPa	47.57 MPa	D-882
	TD	28 MPa	39.99 MPa	
Elongation at Break	MD	520%	700%	D-882
	TD	780%	950%	
Vapor Inhibiting Ability (VIA)	-	Pass	Pass	NACE TM0208

* Typical values, not meant to be a specification.

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Availability

Zerust® ICT®510-SM Stretch Film is available in various stock and custom additive options such as UV, and Anti Static. Contact a representative for pricing and availability.

Stock Part Numbers:

250-F-00002 Ferrous
20" x 4000' x 125 ga. rolls

250-F-00006 Ferrous
4" x 667' x 125 ga. hand rolls (12 rolls/case)

250-M-00004 Multimetal
20" x 4500' x 100 ga. rolls

250-M-00005 Multimetal
18" x 1500' x 100 ga. rolls (4 rolls/case)

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 of package.

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