

Zerust® ICT®520-CSL Cold Seal VCI Film

Zerust®/Excor® ICT520-CSL Cold Seal VCI Film significantly reduces your labor and equipment costs as the film forms a strong seal in seconds without heat-sealing, tape or staples. It is quick and easy to remove and does not leave a residue.

Zerust® ICT®520-CSL Film is a cold-adhesive film made with proven Zerust Vapor Corrosion Inhibitors (VCIs). It provides superior corrosion protection in an easy-to-use cold-seal film. Use it to protect bare metal parts, such as gears, differential units and axle ends. Zerust Cold Seal Film protects multiple metal types, through both contact and vapor corrosion inhibitors, for up to two years.

Zerust Cold Seal Film saves valuable time, equipment and labor in packaging operations by eliminating the need to heat-seal, apply tape or staples. Zerust ICT520-CSL VCI Film bonds to itself, creating a self-adhesive closure in seconds. In addition, the film bonds only to itself and will not adhere to or leave a residue on the product that is being protected.

Application Example

Zerust ICT520-CSL Film protects a differential unit for service shipment. Packaging in cold-seal VCI film saved time compared to typical wrapping of VCI Film and tape.



Benefits

Adheres to itself, and does not leave a residue

Effective corrosion protection and packaging combined in one step

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

Provides safe* and effective Zerust VCI protection.

Application Type

Shipping
Storage
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.



Product Information

Description	Zerust®/Excor® ICT®520-CSL VCI Film is a polyethylene product with a self sealing adhesive on one side impregnated with volatile corrosion inhibitors.
Appearance	Typical color is clear. Additional colors available upon request. Subject to order minimums.
Metal Protection Types	Available in multimetal protection formulations. Custom options 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 ICT520-CSL Film*	ASTM Test Method
Film Thickness	-	4.4 mil (102 µm)	D-6988
Dart Impact Resistance	-	300 g	D-1709
Tear Strength	MD	0.60 lb-f (2.7 N)	D-1938
	TD	0.65 lb-f (2.9 N)	
Tensile Strength at Yield	MD	1905 psi (13.1 MPa)	D-882
	TD	1538 psi (10.6 MPa)	
Tensile Strength at Break	MD	3045 psi (21.0 MPa)	D-882
	TD	2917 psi (20.1 MPa)	
Elongation at Break	MD	560%	D-882
	TD	610%	
Breaking Factor	MD	11.0 lb-f/in (1926 N/m)	D-882
	TD	11.5 lb-f/in (2014 N/m)	
Water Vapor Transmission Rate @78°F (26°C), 90% RH	-	0.06 g/(100 in ² /day)	F-1249
Vapor Inhibiting Ability (VIA)	-	Pass	NACE TM0208-2013

* Typical values, not meant to be a specification.

Warranty and Disclaimer Information: We guarantee our products conform to documented quality specifications. All statement, technical information and recommendations contained herein are based on testing and experiences NTIC believes to be reliable, but the accuracy or completeness thereof is not guaranteed. Product information subject to change without notice. We make no warranty of any kind expressed or implied as to the effects of use (including, but not limited to, damage or injury). For full warranty and disclaimer information visit, www.zerust.com/warranty.

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Contact Us



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Availability

Zerust/Excor ICT520-CSL VCI Film is available in custom options and with additives such as UV and anti static. Contact a Zerust account manager for pricing and availability.

Size Range (width):

Sheeting: 6" - 36"
Perforated or non-perforated
Thickness: 2-8 mil

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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