



# Zerust® ICT®520-CB1 Anti-Tarnish Film

Zerust® ICT®520-CB1 Anti-Tarnish scavenger film blocks out the corrosion causing acid gases before they can cause damage to metals. Zerust Anti-Tarnish film and bags contain Zerust acid-gas scavengers that protect silver and yellow metals against oxidation and tarnish.

Zerust ICT520-CB1 Anti-Tarnish film protects silver, copper, bronze, brass, or tin from unsightly and damaging oxidation and tarnish. Typical applications include silver items, copper wiring, electronic components and musical instrument strings. When used in conjunction with other Zerust technologies it will provide added protection for all metal types while preventing acid gases from entering the packaging. Zerust does not leave any residues or affect the functionality of protected items.

## ▶ Benefits

- Protection for 5 years or more
- Safe\* for employees, customers and the environment
- No cleaning of parts is required when removed from bag
- Lightweight design makes transportation & handling easier
- Can be colored to customer's specifications

## ▶ Application Examples

Circuit board packaged in Zerust ICT520-CB1 Anti-Tarnish film.



Protects silver, copper, bronze, brass, or tin from unsightly damaging oxidation and tarnishing.

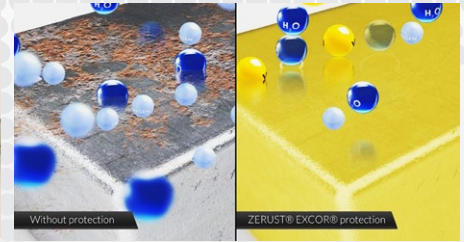
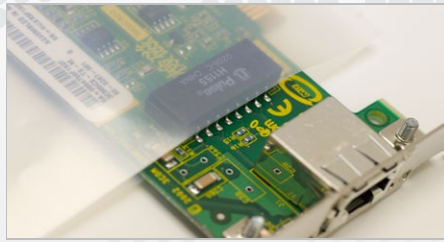


## Application Type

- Export Shipment
- Long-Term Storage
- Inventory 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.

## Specifications



<b>Product Information</b>	Zerust ICT 520-CB1 Anti-Tarnish Film is an odorless transparent polyethylene Film impregnated with acid-gas scavengers.
<b>Appearance</b>	Typical color is transparent. Additional colors available upon request.
<b>Protected Metal Types</b>	Protects silver, copper, bronze, brass and tin from oxidation and tarnish.
<b>Protection Life</b>	Objects can be protected for years when properly packed, sealed and utilized within three years from receipt. Not intended for outdoor use.
<b>Storage</b>	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-CB1 Anti-Tarnish Film*	ASTM Test Method
Film Thickness	-	4mil (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 <sup>2</sup> /day)	F-1249
Vapor Inhibiting Ability (VIA)	-	Pass	NACE TM0208

\* Typical values, not meant to be a specification.

Warranty and Disclaimer Information: We guarantee our products conform to documented quality specifications. 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](http://www.zerust.com/warranty).

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## Contact Us



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## Availability

Zerust ICT 520-CB1 Anti-Tarnish Film is available in 2.0 mil-6 mil thickness, custom sizes and additive options such as UV and Anti Static. Contact a Zerust account manager for pricing and availability.

## 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.

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