

Zerust[®] ICT[®] 520-HS Film

TECHNOLOGY THAT PROTECTS METAL FROM CORROSION

PRODUCT INFORMATION

FEATURES

- Proven corrosion protection
- Easy-to-use
- Available in multiple metal protection formulations
- High strength for increased durability
- Recyclable

BENEFITS

- Reduce corrosion incidences
- Improve shipment yield rates
- Keep parts clean and dirt-free
- Save money and resources
- Comes with Zerust[®] global on-site support

Zerust[®] ICT[®] 520-HS Film will provide mechanical protection and corrosion protection in even the most demanding of applications, ensuring that your parts stay clean, dry and corrosion-free.

Zerust[®] ICT[®]520-HS Film is a special, lightweight durable film made with patented Zerust[®] Integrated Corrosion Technologies[®] (ICT[®]) that provides robust and powerful corrosion protection as well as physical protection from the environment. Zerust[®] ICT[®]520-HS Film is available in ferrous, non-ferrous and multimetal corrosion protection formulations.

Zerust[®] ICT[®]520-HS Film is less likely to puncture or tear compared with traditional polyethylene film, so is especially suited for the demanding corrosion protection requirements of export shipments, heavy items or items with rough edges (comparison between plain LDPE film and ICT[®]520-HS on reverse). Zerust[®] ICT[®]520-HS Film is available with flame retardant properties by special order; this film is available only as a transparent, green colored film with multimetal corrosion protection for steel and galvanized surfaces.

APPLICATION EXAMPLES

ZERUST[®] ICT[®]520-HS HIGH STRENGTH FILM USED TO PROTECT A 20 FT CRANKSHAFT FROM CORROSION DURING EXPORT SHIPMENT.



EXPORT SHIPMENT



LONG-TERM STORAGE



INVENTORY STORAGE

APPLICATION TYPE

CORROSION PROTECTION FOR:



ORDERING INFORMATION

CONFIGURATIONS

Bags (flat & gusset), tubing, sheeting

SIZE RANGE (WIDTH)

Bags & tubing:

2" - 125" (flat)

2" - 150" (gusset)

Sheeting: 2" - 26'

THICKNESS

2 - 8 mil

COLOR

Yellow, clear and green are standard colors depending on the corrosion protection formulation type. Other colors available upon request.

PROTECTION TYPE

Available in ferrous, non-ferrous & multimetal corrosion protection capabilities.

PROTECTION LIFE

Will protect metals for up to 5 years if properly packed and stored.

SHELF LIFE

Shelf life of 2 years if stored at 85° F or less, out of direct sunlight and in original packaging.

QUESTIONS?

Please contact a Customer Service Representative at +1 (763) 225-6600 or email sales@zerust.com.



A product of:
Northern Technologies International Corporation
 4201 Woodland Road
 P.O. Box 69
 Circle Pines, MN 55014
 PH: +1 (763) 225-6600
 FAX: +1 (763) 225-6645
 EMAIL: sales@zerust.com
 WEB: www.zerust.com



This product is recyclable. Please consult federal, state and local regulations.

ICT®520-HS FILM VS PLAIN LDPE FILM

| Physical Properties | Plain LDPE Film | Zerust® ICT®520-HS Film* |
|--|--|---|
| Penetration at Break <i>grams at break</i> ¹ | 200-250 | > 400** |
| Elongation at break <i>% stretch at break</i> ² | MD = 225-280 TD = 280-350 | MD = 700-900 TD = 750-950 |
| Tensile strength <i>mPa at break</i> ³ | MD = 15-19 TD = 19-23 | MD = 22-28 TD = 22-28 |
| Tear resistance <i>kg at rip</i> ⁴ | MD = 0.58-0.75 TD = 0.62-0.80 | MD = 0.62-0.80 TD = 0.65-0.90 |
| Water vapor permeability (38°C 90% RH) Normalized to 1 mil thickness | 0.90-1.5 g / 100 in ² / day | < 1.0-1.5 g / 100 in ² / day |

* Test values may vary by +/- 10%. 1 - Test Std. ASTM D 1709-04 ("dart impact"), 2 - Test Std. DIN 53 455-7-5, 3 - Test Std. ASTM D 882-04, 4 - Test Std. DIN 53 479 ("trouser rip")

** May vary due to dimensions of bag.

ICT®500 SERIES OVERVIEW: PACKAGING FILM PRODUCTS



OTHER PRODUCTS AVAILABLE

ICT® 700 Series: Liquid Additives and Coatings

Temporary corrosion protection for parts in-between production processes, during storage or for added protection to the ICT® 500 series products during ocean shipments.

ICT® 800 Series: Diffusers

Self-contained, portable products that diffuse Zerust® ICT® chemicals to protect metals within enclosures, such as tool boxes, electrical boxes, etc.