

RUST PREVENTION

CORROSION MANAGEMENT SOLUTIONS



ARMOR POLY FILM®

HDPE Film

FEATURES AND BENEFITS

ARMOR film technology sets industry standards for high performance and innovation. **ARMOR POLY®** films are transparent and heat sealable, providing the combined benefit of barrier and anti-corrosion protection in an easy to use form. ARMOR's proprietary Bright Idea Technology™ provides visible proof under black light that VCI is present in all **ARMOR POLY®** products.

Designed specifically for lining returnable trays, the **ARMOR POLY® HDPE** film offers excellent conformability not found in papers or other barrier materials.

ARMOR POLY® HDPE is typically offered in 1.25 mil sheeting for lining trays or totes.

ARMOR's proprietary VCI nanotechnology comes with more than 30 years of industry experience. With service on 4 continents and in more than 25 countries, ARMOR is positioned to provide corrosion management solutions wherever and whenever you need them.

Non-toxic, environmentally friendly, and recyclable.



WHY ARMOR?

ARMOR Protective Packaging® provides the industry's cleanest, easiest, safest and most effective corrosion management systems for metal products to a global customer base. ARMOR's full line of vapor corrosion inhibitor (VCI) packaging products, desiccants and our rust removal and prevention liquids are designed to protect metals before, during and after transport or storage. ARMOR's industry reputation as a trusted business partner has been built by serving our customers and preserving their investments for more than a quarter-century.



APPLICATIONS

ARMOR POLY® is a high density, polyethylene mono-extruded film that utilizes Armor's proprietary Vapor and Contact Corrosion Inhibitor (VCI) formulation designed for medium to long term storage (approximately 3 years).

TECHNICAL DATA

ARMOR PROTECTIVE PACKAGING CORROSION MANAGEMENT SOLUTIONS

ARMOR POLY® FILM

Product Overview

High density polyethylene tubing, sheeting, and bags impregnated with AN-OX® Vapor & Contact Corrosion Inhibitor (VCI) formulation for ferrous and non-ferrous metals. Designed for long-term storage of ferrous and non-ferrous metals. Non-toxic.

Parameters

GAUGE (range available: .001" to .004")		0.012" (+/-) 10%
TENSILE STRENGTH (PSI) AT BREAK	SCORE	UNITS
ASTM TEST #D-882		
Machine Direction	6,000-7,000	lbs./sq. in.
Cross Machine Direction	3,400-4,200	lbs./sq. in.
ELONGATION – ASTM #D-882		
Machine Direction	400-500	percent
Cross Machine Direction	550-600	percent
SEAL STRENGTH – ASTM #D-882		
Percent	85% of film	
Sealing Temperature	340° - 380° F	
Dart – ASTM #1709	40-45	grams/mil
TYPE OF VCI COMPOUND	Proprietary	
VCI CONTENT	VCIR CT 102 Per FM 4.8.5	

Recommended Applications

Both ferrous and non-ferrous metals including Steel, Iron, Copper, Brass, Zinc, Galvanized (zinc plated steel and iron). Cadmium and aluminum, nickel and nickel alloys should be evaluated in the usual method of handling.

Proper Storage

Material should be kept in original wrapping or the equivalent during storage of partial rolls or sheets (overnight, weekends, or holidays). ARMOR Protective Packaging® recommends testing your product's compatibility with our ARMOR POLY® VCI in vapor phase and as a contact inhibitor.

CAUTION: Wash hands thoroughly after handling this product and before eating.

All products manufactured ARMOR Protective Packaging® are warranted to be first class products and free from defects in material and workmanship. Liability under this warranty is limited to the net purchase price of any of such products proven defective or at our option to the repair or replacement of said products upon their return to us transportation prepaid. All claims on defective products must be made in writing 30 days after the receipt of such products in your plant and prior to further processing or combining with other materials and products. We make no warranty, express or implied, as to the suitability of any of our product for any particular use, and we shall not be subject to liability from any damages resulting from their use in operations not under our direct control. This warranty is exclusive of all other warranties, express or implied, and no representative of ours or any other person is authorized to assume for us any other liability in connection with the sale of our products.

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