



CORTEC
CORPORATION

Environmentally Safe VpCI®/MCI® Technologies

VpCI®-126 Vacuum Bags

DESCRIPTION

VpCI®-126 Vacuum Bags are transparent Vapor phase Corrosion Inhibitor bags with extra barrier properties for enhanced corrosion protection during long-term storage or harsh shipping conditions. The bags can be vacuum-packed and are ideal for build-ahead programs and all-time-buys. Metal parts packaged in VpCI®-126 Vacuum Bags receive continuous protection against salt, excessive humidity, condensation, moisture, aggressive industrial atmospheres, and dissimilar metal corrosion. The VpCI® molecules vaporize and then condense on metal surfaces in the enclosed package, forming a protective molecular film that does not need to be cleaned off, so contents can be used immediately.

PACKAGING & STORAGE

VpCI®-126 Vacuum Bags are available in a variety of custom sizes.

To ensure best product performance, store in original packaging, indoors, and out of direct sunlight at 40-100 °F (4-38 °C).

Shelf life: 2 years

HIGH PERFORMANCE VPCI® PACKAGING



FEATURES

- Extra barrier for moisture and oxygen
- Can be used on vacuum-packaging equipment
- Does not contain free amines, phosphates, or halogen-based materials
- Commercial equivalent to MIL-PRF-22019E(1)
- NACE TM0208-2008
- Meets German TL-8135-002 standard for corrosion protection

BENEFITS

- Enhanced corrosion protection for long-term storage
- Easy to inspect contents through transparent film
- Great for unitizing loads and eliminating rubbing of small parts during transit and storage
- Replaces conventional rust preventatives such as oils and desiccants

APPLICATION

Place metal parts inside bags and seal using standard vacuum-packaging equipment.

METALS PROTECTED

- Aluminum
- Galvanized Steel
- Carbon Steel
- Stainless Steel
- Copper
- Brass
- Cast Iron

VpCI®-126 Vacuum Bags

TYPICAL PROPERTIES

Property		Test Method	Units	VpCI®-126 Vacuum Bags
Caliper		ASTM D6988	mil	4.95
Breaking Factor	MD	ASTM D882-02	lbs/in	21.94
	CD			19.14
Tensile Strength at Break	MD	ASTM D882-02	psi	4875.00
	CD			4373.00
Elongation at Break	MD	ASTM D882-02	%	102.82
	CD			116.59
Yield Strength	MD	ASTM D882-02	psi	4240.48
	CD			4200.73
Tear Strength	MD	ASTM D1922-06A	mN	307.20
	CD			294.40
Dart Drop Impact Resistance		ASTM D1709-04, Test Method A	grams	603.70
Puncture Resistance	Outside	MIL-STD-3010, TM 2065	lbf	10.87
	Inside			10.75
Coefficient of Friction		ASTM D1894	static	0.00
			kinetic	0.51
Water Vapor Transfer Rate (100.4 °F [38 °C], 90% RH)		ASTM F1249	g/100 in ² /24 hours	0.0043
			g/m ² /24 hours	0.067
Oxygen Transfer Rate (73 °F [23 °C], 0% RH)		ASTM D3985	cc/100 in ² /24 hours	0.003
			cc/m ² /24 hours	0.046

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