



CORTEC
CORPORATION

Environmentally Safe VpCI®/MCI® Technologies

EcoStretch® powered by Nano VpCI®, Patent Pending World's First Commercially Compostable High Performance VpCI® Stretch Film

DESCRIPTION

EcoStretch® powered by Nano VpCI® is a revolutionary machine-grade stretch wrap film that combines commercially compostable resins with the ultimate in Vapor phase Corrosion Inhibitor Technology (VpCI®) for metals protection. EcoStretch® is perfect for stretch-wrapping metal equipment or components that need to be kept rust-free while minimizing the environmental impact of traditional plastic packaging. EcoStretch® is commercially compostable* and may avoid tariffs, fines, and tip fees in areas where polyethylene is prohibited or restricted. EcoStretch® is shelf and curb stable and will retain its integrity until disposed of properly.

PACKAGING & STORAGE

Available in 1.5 mil (38.1 μ m) thickness and 20" (50.8cm) or 30" (76.2 cm) widths as individually boxed rolls or cradle packed pallets.

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 PACKAGING



FEATURES

- World's first commercially compostable stretch film that provides contact, barrier, and vapor phase corrosion inhibition
- Provides multi-metal corrosion inhibitor protection
- Meets NACE TM0208-2018 standard for corrosion protection
- Meets German TL-8135-002 standard for corrosion protection
- Meets ASTM D6400 standard for commercial composting
- Works on most existing automated machines
- Extremely elastic
- Contains VpCI® Technology

BENEFITS

- Reduces conventional plastic waste
- Improves user's environmental footprint
- Provides multi-metal corrosion protection
- Helps keep dust, dirt, and moisture off warehouse stock
- Self-adhering film bonds to each layer for added strength

METALS PROTECTED

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



**This product is intended to be composted in a commercial composting facility operated in accordance with best management practices. Check locally to see if such a facility exists in your community and if they will accept this product. Not suitable for backyard composting.*

EcoStretch® powered by Nano VpCl®, Patent Pending

APPLICATION

EcoStretch® is a great stretch film alternative to conventional polyethylene films for shipping and storage applications. It can be used anywhere a corrosion-inhibiting stretch film is needed. EcoStretch® is easily applied by adjusting (typically increasing) the tension on standard automatic “stretch wrapping” equipment.

TYPICAL PROPERTIES

Property		Test Method	Units	Results
Caliper		ASTM D6988	mil(μ m)	1.50 (38.1)
Breaking Factor	MD	ASTM D882-02	lbs/in (N/m)	7.84 (1374)
	CD			4.68 (818.7)
Tensile Strength at Break	MD	ASTM D882-02	psi (kPa)	5535 (38,160)
	CD			3191 (22,000)
Elongation at Break	MD	ASTM D882-02	%	348
	CD			649
Yield Strength	MD	ASTM D882-02	psi (kPa)	3940 (27,170)
	CD			1280 (8,823)
Dart Drop Impact Resistance		ASTM D1709-04, Test Method A	grams	461
Puncture Resistance	Outside	MIL-STD-3010, TM 2065	lbf (gram force)	4.44 (2015)
	Inside			4.61 (2091)
Tear Strength	MD	ASTM D1922-06A	mN (gram force)	2354 (240)
	CD			6184 (630)
Cling Peel		ASTM D5458-95	gf/in (gf/cm)	45.71 (18.0)

Typical values represent average laboratory values and are intended as guides only, not as specifications.

STANDARD TEST METHODS

Test Method	Results
Razor Blade Test (Steel)	Pass
Razor Blade Test (Copper)	Pass
VIA Test (German VIA Test TL-8135-002 and Federal Standard 101C, Method 4031, Procedure B) (Steel)	Pass
SO ₂ Test (Steel)	Pass

Day 1



Week 3



Week 6



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