



# Bio-Cushion®



## PRODUCT DESCRIPTION

Bio-Cushion is a certified biodegradable air cushion for protective packaging applications and provides an environmentally friendly alternative to traditional void fill materials. It has been designed to replace traditional polyethylene, starch based and oxodegradable polyethylene air cushion materials.

Bio-Cushion is shelf, heat and water stable and will not disintegrate or break down while in use. It is constructed from 100% biodegradable/compostable materials (certified per ASTM D6400), therefore when disposed of properly it will fully degrade into carbon dioxide and water within four to six weeks. Bio-Cushion is available in different constructions, including biobased and VpCI formulations, to meet your protective packaging needs.

Bio-Cushion is designed for Cushion Fill Impact equipment manufactured by CPI Packaging Inc. Complete system, including Bio-Cushion, is available from Cortec Corporation and CPI Packaging Inc.

## FEATURES

- Certified biodegradable/compostable per ASTM D6400
- Available in biobased resin formulations
- Superior mechanical properties
- Shelf and water stable
- Packaging material reduction compared to traditional void fill materials

## APPLICATIONS

- Retail
- Crafts
- Medical
- Automotive
- Consumer Products

## FILM SPECIFICATIONS

8" with perforations at 5" or 8"

12" with perforations at 5" (Two tubes per perf)

\*Custom sizes and printing also available.

Contact a Cortec representative for additional information.

## MECHANICAL PROPERTIES

Property	Test Method	Unit of Measure	Typical Value <sup>1</sup>
Tensile Strength at Break MD	ASTM D882	psi	6103
Tensile Strength at Break CD	ASTM D882	psi	6049
Elongation MD	ASTM D882	%	603
Elongation CD	ASTM D882	%	680
Tear Strength MD	ASTM D1922	mN	1193
Tear Strength CD	ASTM D1922	mN	2668
Dart Drop Puncture Resistance	ASTM D1709	grams	557



Stand with Bin



HV Basket



Custom overhead delivery system

**Efficient:**

Quickly inflates rolls of presealed and perforated Bio-Cushion stock into a lightweight clear void fill packaging material. This effective on-demand packaging system allows you to produce strong, environmentally friendly void fill cushioning as needed. Protecting your products with Bio-Cushion has never been easier.

**Flexible:**

Automatically fills plastic bins for delivery to your packaging stations. Just-in-time high volume dispenser bins/carts can be used at the side of conveyors or at your packaging stations. Optional overhead delivery systems can be designed to deliver Bio-Cushion inflated air bags where required.

**Easy to Use:**

Feed the edge of the Bio-Cushion film into the machine and start producing with out a missed bag. The built in photo-eye ensures that you have a consistent supply of void fill cushions.

**Reliable:**

Teflon® coated steel belts have a long life expectancy and require little to no maintenance. No-Blade technology makes for easy use. No worries of dull blades or continuous jamming.

**Film Specifications:**

- 8" with perforations at 5" or 8"
- 12" with perforations at 5" (two tubes per perf)
- \*Custom sizes and printing available.

For further information and other available equipment and accessories, please contact your Cortec/CPI representative.



SPECIFICATIONS	
<b>Overall Size (W x D x H):</b> 18.75" x 36.0" x 15.0"	
<b>Weight:</b> 47 lbs.	
<b>Power Requirements:</b> 110 V – Single Phase, 2A, 50/60 Hz	

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Distributed by:



4119 White Bear Parkway, St. Paul, MN 55110 USA  
 Phone (651) 429-1100, Fax (651) 429-1122  
 Toll Free (800) 4-CORTEC, E-mail info@cortecvci.com  
 Internet http://www.CortecVCI.com

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