

ADE, Inc.

# TECHNICAL DATA

Chicago, IL

Product

Description

## CANCEL® 3 1/4" REINFORCED CELL CUSHIONING MATERIAL

Commercial Item Description CID-A-A-3129 (and PPP-C-1842B that it replaced):

Type I (1/4"), Class 2 (with top film), Grade B (static Dissipative), available in Style A (perforated) or style B (non-perforated).

Composition and Structure:

- Low and linear low density polyethylene (LDPE and LLDPE).
- Proprietary internal antistatic additive.
- Comprised of adjoining tapered cells that are hexagon shaped on the film (flat) side and rounded (and punctured) on the other.

Product Forms:

<u>Form</u>	<u>Description</u>	<u>Dimension</u>
Rolls	Slit width	Min. 2" to max. 48"
	Cross perforation	Min. 6" to Max. 96" separation
	Length perforation	Min. 4" to Max. 46" separation
Sheets	Size	Min. 3" by 6"
Die-cuts	Shape and size	As specified

Product Put-ups:

<u>Description</u>	<u>Put-up</u>
Rolls	Poly-bagged bundles. 375 ft. long, by 48" wide, by 35" diameter. 1.5 MSF per bundle. Stock 4-12", 2-24", 1-48" or custom slits available.
Sheets	Corrugated cases typically containing about 0.5 MSF of sheets per case.
Die-cuts	Corrugated cases. Quantity per case depends on shape and size specified.

Product tolerances:

<u>Description</u>	<u>Rolls</u>	<u>Sheets</u>	<u>Die-cuts</u>
Length	+/- 5%	+/- 1/4"	+/- 1/8"
Width (slit rolls)	+/- 1/4"	+/- 1/4"	+/- 1/8"
Width (48" bundles)	- 1/4", + 1/2"		
Thickness	+/- 1/32"	+/- 1/32"	+/- 1/32"

Applicable CID-A-A-3129 (and PPP-C-1842B) Requirements:

<u>Property</u>	<u>Requirement</u>	<u>Typical Results</u>
Workmanship	must comply	complies
Heat Sealability	< 1/16" separation	no separation
Contact Corrosivity	no evidence of	no corrosion
Low Temp. Flexibility	no cracks or tears	no cracks or tears
Compression Set	< 15%	3.7%
Blocking	not acceptable	no blocking
Creep (7 day)	10% max.	7.6%
Electrostatic Decay	2.00 seconds max.	0.42 seconds
Surface Resistivity	<1 X 10(12).	2.38 X 10(11) ohms/square
Shelf Life	three years Minimum	exceeds requirements

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*Cushioning Performance (ASTM D 1596)*

<b><u>PSI Loading</u></b>	<b><u>Peak deceleration (G's)</u></b>
<b>0.25</b>	<b>70.9</b>
<b>0.40</b>	<b>73.6</b>
<b>0.60</b>	<b>81.5</b>
<b>0.90</b>	<b>88.3</b>

*Compliance Issues:*

**Based on information supplied by our suppliers and strict adherence to our manufacturing procedures we can state that Cancel ® 3 Cushioning material does not contain Cadmium, Lead, Mercury, Hexavalent Chromium, Polybrominated Biphenyl (PBB) or Polybrominated Diphenyl (PBDE) materials that are banned per RoHS (EU) Directive and CONEG (USA) Regulations.**

*Effects of Solvents and Ultraviolet Rays:*

**Cancel 3 Static Free Cushioning material should not be exposed to solvents such as alcohols, ketones or hydrocarbons. Contact with these solutions will, at least, temporarily remove the conductive surface. Exposure to ultraviolet rays of sunlight will cause fading of the color and prints but will not materially affect the antistatic properties.**