

ADE, Inc.
Product
NESCEL ® 3

TECHNICAL DATA
Description
¼" REINFORCED CELL CUSHIONING MATERIAL

Chicago, IL

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

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

Composition and Structure:

Virgin low and linear low density polyethylene (LDPE and LLDPE) resins that comply with the compositional and migrational requirements of USDA Regulations at 21 CFR 177.1520 (a) (2) and 21 CFR 177.1520 (c) (2.1). Comprised of adjoining tapered cells that are hexagon shaped on one side of the material and rounded (and punctured) on the other.

Product Forms:

<u>Form</u>	<u>Description</u>	<u>Dimensions</u>
Rolls	Slit Width	Min. 2" to Max. 48"
	Cross Perforation	Min. 6" to Max. 96" separation
	Length Perforation	Min. 4" to Max. 48" separation
Sheets	Size	Min. 3" by 6"
Die-cuts	Size and Shape	As specified

Product Put-ups:

<u>Description</u>	<u>Put-up</u>
Rolls	Poly bagged bundles. 375 foot 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. Each case typically contains about 0.5 MSF of sheets.
Die-cuts	Corrugated cases. Quantity per case depends on shape and size.

Product Tolerances:

<u>Description</u>	<u>Rolls</u>	<u>Sheets</u>	<u>Die-cuts</u>
Length	+/- 5 %	+/- ¼"	+/- 1/8"
Width (slit roll)	+/- ¼"	+/- ¼"	+/- 1/8"
Bundle Width	- ¼", + ½"		
Material Thickness	+/- 1/32"	+/- 1/32"	+/- 1/32"

Applicable Commercial Item Description Requirements:

<u>Property</u>	<u>Requirement</u>	<u>Typical Result</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	10% Max. 7 days	7.60%

Cushioning Performance (ASTM D 1596):

<u>PSI Loading</u>	<u>Peak Deceleration (G's)</u>
0.25	71
0.40	74
0.60	81
0.90	88

Compliance Issues:

Based on information supplied by our suppliers and strict adherence to our manufacturing procedures, we can state that Nescel® 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.