

Product: FlexNStretch™ Elastic Hammock Packaging

FlexNStretch is the name of a family of ADE, Inc. protective packaging. Each FlexNStretch package is comprised of one or more Elastic Hammock(s) attached to corrugated board(s). Each Hammock is constructed of a durable resilient material that provides product protection from damage due to shock, vibration and abrasion.

Corrugated board:

Corrugated board is selected on the basis of application. Generally a minimum of 200# burst test and 32 ECT singlewall board with “B”, “C” or “E” flute construction is utilized for lighter product packaging applications. Heavier product applications usually require heavier corrugated (frequently double-wall construction of various flute configurations) with minimums of 275# for burst test and 48 for ECT values.

Custom board color and print options are available.

Specialty boards, such as other materials or static dissipative materials, are also available.

Elastomeric Film:

The proprietary elastomeric film utilized to produce FlexNStretch Hammocks is sized to fit the application. Film thickness ranges from 2 mils to 11 mils. This material is designed to provide reliable performance despite repeated stretching, punctures and tears. Typical properties are as follows:

<u>Property</u>	<u>Method</u>	<u>Typical Value</u>
Durometer	ASTM D 2240	95A
Tensile Properties	ASTM D 638	
Modulus @ 100 % strain psi		1400
Modulus @ 300 % strain psi		3500
Modulus @ break psi		7000
Modulus of elasticity up to 10% strain psi		60
Elongation @ break %		400
Set @ break %		20
Set @ 100% strain %		6
Tear Properties		
Die C pli	ASTM D 624	550
Split pli	ASTM D 1938	670
Specific Gravity	ASTM D 792	1.21
Abrasion Resistance mg	ASTM C 501	100
Melting point range, ° F		340 to 380
Maximum Service Temp. ° F		-40 to 200
Antistatic (optional) film property		
Surface Resistivity Ohms/sq	ASTM D 257	< 1.0 X 10 E 12