

### **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:

<b><u>Property</u></b>	<b><u>Method</u></b>	<b><u>Typical Value</u></b>
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