

Material Specification Sheet**Product:**

M-411

Description:

A non-top coated direct thermal facestock with an all temperature and freezer grade acrylic adhesive with good initial tack and high ultimate adhesion, and a supercalendered kraft liner which has been silicone coated one side to give a controlled release.

Recommended Applications:

For applications requiring UV and solvent resistant, or for applications where adhesion is made at cold temperatures.

Facestock:

A non-top coated direct thermal face with an initial activation temperature of 165°F and an effective activation temperature of 180°F. Has Federal Regulation Approval for Heavy metals and indirect food.

	<u>Value</u>	<u>Units</u>
Caliper:	3.1	mil
Tensile: MD	29	lb/in
CD	0	lb/in
Tear: CD	47	grams
Brightness:	84	percent

Adhesive:

An all temperature and freezer grade acrylic adhesive with good initial tack and high ultimate adhesion when applied at temperatures as low as -20°F. Excellent permanency at room temps. Very good plasticizer, UV and solvent resistant. This adhesive offers a neutral pH of 7 (acid free). Has ACTS approval as well as Federal Regulation Approval for heavy metals, indirect food, and toy safety.

	<u>Value</u>	<u>Units</u>
Application temp:	-20°	Fahrenheit
Service temp:	-65° to +160°	Fahrenheit
Shear:	60	minutes
180° Peel:		
Stainless Steel	4.7	lb/in
Glass	1.3	lb/in
Polyethylene	2.2	lb/in
Corrugated	3.9	lb/in
Painted Metal	4.4	lb/in
Loop Tack:		
Stainless Steel	2.20	lb/in ²

Liner:

A supercalendered kraft liner which has been silicone coated on one side to give a controlled release. This paper has a hard-smooth caliper consistent surface. Due to its high internal strength it will withstand all conventional processing operations including die-cutting, butt cutting, line scoring and dispensing.

	<u>Value</u>	<u>Units</u>
Basis Weight:	40	lbs/ream
Caliper:	2.5	mil
Tensile: MD	39	lb/in ²
CD	19	lb/in ²
Tear: MD	42	grams
CD	44	grams

Shelf Life:

One year, under standard storage and humidity conditions

PRODUCT DISCLAIMER

All labels and label material constructions are sold with the understanding that the purchaser has independently determined the suitability of each product for the application for which it is purchased. The seller disclaims any implied warranty of fitness of a product for a particular purpose. All materials should be tested thoroughly by the purchaser under end-user conditions to ensure they meet the requirements of a specific application.

