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5/17/17

## Material Specification Sheet

**Product:**

M-482

**Description:**

The M-482 is a cost effective, 7 mil polypropylene tag material. It is durable and highly sensitive with enhanced tear resistance.

**Recommended Applications:**

This label is recommended for commercial tagging, sport/game licensing and amusement passes. For use with high speed, direct thermal printers. Our printing recommendation is water-based flexographic on the direct thermal side. A primer or corona treatment is recommended if a high degree of flexo printing is required on the non-thermal side.

**Product Disclaimer:**

Some direct thermal printers are calibrated to require higher back side reflectance. M-482 should be pretested to verify that back side reflectance is high enough for consistent top of form registration in the particular end-use thermal printer.

**Facestock:**

The M-482 tested excellent in resistance to oils, plasticizers; resistance to alcohol, solvents; and 24 hour water immersion.

	<u>Value</u>	<u>Units</u>	<u>Test Method</u>
Basis Weight:	53.7 (202) Avg	lb (g/m <sup>2</sup> )	TAPPI T-410
Caliper:	7.42 (188.5) Avg	mils (microns)	TAPPI T-411
Brightness:	84% Avg		TAPPI T-525
Smoothness:	2.1 Avg	μ	TAPPIT-555

	<u>Value</u>	<u>Units</u>
Initial Activation Temperature (O.D. = 0.2):	170 ± 9 (77 ± 5)	°F (°C)
Effective Activation Temperature (O.D. = 0.8):	194 ± 9 (90 ± 5)	°F (°C)
Optimum Activation Temperature (O.D. = 1.4):	230 ± 9 (110 ± 5)	°F (°C)

**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.

