

## Material Specification Sheet

**Product:**

ODL

**Description:**

A thermal transfer, 2 mil, gloss-white topcoated polyester face that provides excellent tear strength, dimensional stability, heat resistance, chemical resistance, and opacity with a thick, permanent, aggressive, high-tack adhesive that resists oil, gasoline, moisture, sulfuric acid (1.26 sp. gr.), and salt spray and is also suitable for adhesion to irregular surfaces, and a liner featuring a release coating on both sides to facilitate easy processing.

**Recommended Applications:**

ODL is primarily for harsh environment applications or applications that require labeling of dirt, grease or oil-contaminated surfaces. Adhesive is specially formulated to aggressively adhere to contaminated or otherwise irregular surfaces. Not recommended for fanfold applications. Complies with FDA 21CFR175.105. \*\*UL/CSA recognized for certain applications using specific ribbon/printer combinations. Call for details.\*\*

**Facestock:**

Gloss-white topcoated polyester film

		<u>Value</u>	<u>Units</u>	<u>Test Method</u>
Caliper:		2	mil	ASTM D-374
Tensile:	MD	22,000	PSI	ASTM D-882
	TD	23,000	PSI	ASTM D-882
Elongation:	MD	115	Percent	ASTM D-412
Yield:	MD	12,000	PSI	ASTM D-882
	TD	12,000	PSI	ASTM D-882
Density:		1.40-1.51	g/cc	ASTM D-1505
Shrinkage:	MD	3.0	Percent	5 minutes @ 190°C
	TD	2.5	Percent	5 minutes @ 190°C
Opacity:		84	Percent	ASTM D-6216

**Adhesive:**

Hybrid, high-tack permanent

		<u>Value</u>	<u>Units</u>	<u>Test Method</u>
Application temp:		>35°	Fahrenheit	
Service temp:		-20° to +220°	Fahrenheit	
Coating thickness:		1.8	mil	ASTM D-374
180° Peel:		5.3	lb./in.	PSTC-1
Loop Tack:		6.5	lb./in. <sup>2</sup>	PSTC-16
Shear:		>30	Hours	PSTC-7

**Liner:**

Super-calendared bleached kraft paper with release coating on both sides.

		<u>Value</u>	<u>Units</u>	<u>Test Method</u>
Caliper:		3.2	mil	ASTM D-374
Tear:	MD	52	gm	ASTM D-882
	TD	57	gm	ASTM D-882
Basis:		50	lb./rm.	TAPPI
Moisture:		2.2	Percent by weight	ASTM D-644
Release adhesive side:		35 (+/- 15)	gm	PSTC-4
Release back side:		75 (+/- 25)	gm	PSTC-4

**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.

