

Material Specification Sheet**Product:**

M-ODL- OilTak™

Description:

A thermal transfer, 2 mil, gloss-white, topcoated polyester face that provides excellent tear strength, dimensional stability, heat resistance, chemical resistance and opacity. It also features 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. The liner features 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. M-ODL complies with FDA 21CFR175.105 and is UL/CSA #MH28197 recognized.

Facestock:

Gloss, white, topcoated, polyester film.

		<u>Value</u>	<u>Units</u>	<u>Test Method</u>
Caliper:		2	mils	ASTM D-374
Tensile:	MD	22,000	psi	ASTM D-882
	TD	23,000	psi	ASTM D-882
Elongation:	MD	115	%	ASTM D-412
Yield:		12,000	psi	ASTM D-882
Density:		1.4-1.51	g/cc	ASTM D-1505
Shrinkage:	MD	3.0	%	5 minutes @ 190°C
	TD	2.5	%	5 minutes @ 190°C
Opacity:		84	%	ASTM D-6216

Adhesive:

Hybrid, high tack permanent

		<u>Value</u>	<u>Units</u>	<u>Test Method</u>
Minimum Application temp:		35	°F	
Service temp:		-20 to +220	°F	
Coat Thickness:		1.8	mil	ASTM D-374
180° Peel:		5.3	lb/in	PSTC-1
Loop Tack:		6.5	lb/in ²	PSTC-16
Shear:		>30	hours	PSTC-7

Liner:

Supercallendered, bleached, kraft paper with release coating on both sides.

		<u>Value</u>	<u>Units</u>	<u>Test Method</u>
Basis Weight:		50	lb/ream	TAPPI
Caliper:		3.2	mils	ASTM D-374
Tear:	MD	52	grams	ASTM D-882
	TD	57	grams	ASTM D-882
Moisture:		2.2	% by weight	ASTM D-644
Release Adhesive Side:		35 (± 15)	grams	PSTC-4
Release Back Side:		75 (± 25)	grams	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.

