

**Material Specification Sheet****Product:**

M-DDH

**Description:**

A durable white polyolefin facestock with a specially formulated adhesive that is removable for low-energy surfaces and permanent for others, and a supercalendered bleached kraft paper liner.

**Recommended Applications:**

This material is recommended for returnable container applications or applications that require durability or resolvability from low-energy surfaces such as plastics. Complies with FDA 21 CFR 175.105.

**Facestock:**

A direct thermal white polyolefin film facestock that has good opacity, tear resistance and a high performance near infrared coating.

|             |    | <u>Value</u> | <u>Units</u>        | <u>Test Method</u> |
|-------------|----|--------------|---------------------|--------------------|
| Caliper:    |    | 3.5          | mil                 | ASTM D-374         |
| Tensile:    | MD | 7,500        | lbs/in <sup>2</sup> | ASTM D-882         |
|             | CD | 4,350        | lbs/in <sup>2</sup> | ASTM D-882         |
| Tear:       | MD | 75           | grams               | ASTM D-1922        |
|             | CD | 215          | grams               | ASTM D-1922        |
| Elongation: | MD | 900          | %                   | ASTM D-412         |
|             | CD | 815          | %                   | ASTM D-412         |

**Adhesive:**

A specially formulated adhesive designed for quick grab on low-energy surfaces and permanent adhesion on a variety of other surfaces.

|                           |  | <u>Value</u> | <u>Units</u>        | <u>Test Method</u> |
|---------------------------|--|--------------|---------------------|--------------------|
| Minimum Application temp: |  | > 35         | °F                  |                    |
| Service temp:             |  | -20 to +200  | °F                  |                    |
| Shear:                    |  | 60           | minutes             | PSTC-7             |
| 180° Peel:                |  | 2.5          | lbs/in              | PSTC-101-A         |
| Loop Tack:                |  | 4.0          | lbs/in <sup>2</sup> | PSTC-16            |

**Liner:**

A supercalendered bleached kraft paper liner with a release coating.

|               |    | <u>Value</u> | <u>Units</u> | <u>Test Method</u> |
|---------------|----|--------------|--------------|--------------------|
| Basis Weight: |    | 50           | lbs/ream     | TAPPI              |
| Caliper:      |    | 3.2          | mil          | ASTM D-374         |
| Tear:         | MD | 52           | grams        | ASTM D-1922        |
|               | CD | 57           | grams        | ASTM D-1922        |
| Release:      |    | 35 (+/- 15)  | grams        | PSTC-4B            |

**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.

