



# PRODUCT DATA SHEET

## HS 056 HEAT SEAL//20 WHITE LINED PULP

### PRODUCT DESCRIPTION

**Description:** An aluminum foil, polyester combination coated with polyethylene, wax bonded to white lined pulp.

**FDA Status:** Complies with Federal Regulations of H.E.W., FDA, sections 177.1210, 177.1520, 177.1630, and 182.1. It is entered in SANCAP Liner's food master file FMF 166 and drug master file DMF 2518.

### RECOMMENDED STORAGE CONDITIONS

The material should be stored in well-ventilated area (temp. 60° - 80°F; RH - 40% - 60%). Material and lined closures are heat sensitive. Storage or shipping temperatures should not be in excess of 105°F. Curling, blocking, splitting, or foil separation may result. If material becomes chilled, it should be stored under the recommended conditions until stabilized. Avoid storing closure liner materials over 60 days. Metal foil is prone to corrosion.

### PHYSICAL AND CHEMICAL PROPERTIES

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|---|-----------------|
| <b>1. Color</b>   | Aluminum        |
| <b>2. Thickness, mils</b>                                 |                 |
| a) Overall  | 21.26 - 25.77   |
| b) Polyethylene   | 1.43 - 1.57     |
| c) Polyester  | 0.48 - 0.55     |
| d) Aluminum Foil  | 0.95 - 1.05     |
| e) Wax  | 0.40 - 0.60     |
| f) White Lined Pulp                                       | 18.00 - 22.00   |
| <b>3. Basis Wt. Lbs./Ream 3000 ft.<sup>2</sup></b>        |                 |
| a) Overall  | 295.50 - 327.95 |
| b) Polyethylene   | 24.20 - 31.00   |
| c) Polyester  | 10.80 - 11.25   |
| d) Aluminum Foil  | 41.60 - 42.40   |
| e) Wax  | 4.90 - 7.30     |
| f) White Lined Pulp                                       | 214.00 - 236.00 |
| <b>4. Heat Seal Coating</b>                               |                 |
| a) Melting Point °F                                       | 290 - 300       |
| b) Blocking Point °F                                      | 220 - 225       |
| <b>5. Gas Transmission: cc/cin<sup>2</sup>/24hrs/1atm</b> |                 |
| a) Oxygen   | nil             |
| <b>6. Water Vapor Transmission</b>                        |                 |
| a) gm/cin <sup>2</sup> /24hrs/100°F/90%RH                 | nil             |

### SUGGESTED PRODUCT USES

Material is a heat sealable tamper indicating innerseal which can be used for over-the-counter drug products on polyethylene bottles.

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|---|---|
| <b>Dry Products</b><br><b>Motor Oil</b><br><b>Cooking Oil</b><br><b>Shampoo</b> | <b>Fruit Juices</b><br><b>Anti-Freeze</b><br><b>Vinegar</b> |
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Product applications listed above are a partial listing and do not cover all suitable applications. These are recommendations for general categories and user must test for suitability for their specific product.

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