M/S Series - Heavy Duty Pigment Foils

Product Description
M/S Series heavy duty pigment foils are gloss finish, opaque pigmented products on 1 mil (23 micron) polyester carrier for applications where durability and excellent physical properties are required. These foils are intended primarily for use on reciprocating hot stamp equipment, rubber or metal die, and provide medium to broad coverage.

Substrates
- Polyethylene
- Polypropylene

Physical Properties
- Carrier: 92 gauge (23 micron) polyester
- Application area: Medium to broad coverage

Recommended Stamping Conditions

<table>
<thead>
<tr>
<th>Condition</th>
<th>Vertical Press</th>
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<tbody>
<tr>
<td>Temperature Range</td>
<td>275° - 425° F / 135° - 220°C</td>
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<tr>
<td>Type of Die</td>
<td>Silicone rubber or engraved metal</td>
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<tr>
<td>Dwell</td>
<td>0.2 – 2.0 seconds</td>
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<tr>
<td>Pressure</td>
<td>80 P.S.I.</td>
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</tbody>
</table>

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Polyurethane Cattle Tags
- 20965 M Black

Will take deep imprint with steel die. 10832 M White also suitable for this application.

Polyethylene Substrate (Battery Cases)
- 10832 M White
- 10943 M Black
M/S Series - Heavy Duty Pigment Foils

M/S Series - Heavy Duty Pigment Foils (Cont.)
Polypropylene Substrate – (Provides excellent acid resistance on battery cases)

- 10825 M White
- 10928 M Black
- 11300 M Yellow

Polyethylene and Polypropylene Substrate

- 1608 M White
- 1708 M White
- 1709 M Black

Features | Advantages | Benefits
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Abrasion and Mar Resistance | Resistance to scratching and rubbing that could dull the finish. | Longer product life and customer satisfaction.
Outstanding Workability | Applies easily to plastic substrates. The foil will overstamp itself and most other foils. Clean, sharp, flake-free decoration that passes the most rigorous tape tests. | Improves productivity. No need for post-production clean up.
Chemical Resistance | Resists attack by many consumer chemicals such as alcohol, perfume, shampoo, hand lotion, etc. | Product durability which leads to customer satisfaction.

Storage Conditions
Foil shelf life is directly related to the storage conditions. Whenever possible, inventory foil in a controlled atmosphere between 65-70°F (18-21°C), and at relative humidity of 65%. Cool dry conditions are best when a controlled atmosphere is not available. Avoid storing foil in direct sunlight, near open windows, near heat or conditions of dampness. Foil should not be allowed to become physically wet. If long-term storage is required, material should be polybagged and sealed.

NOTE: Instructions given herein are approximate and adjustment may be required in adapting materials for use in any specific application. The data presented is a result of careful and extensive research. However, since the actual conditions under which the materials may be used are beyond our control, no warranty of any kind, expressed or implied, concerning the use of the products is made. Date: 08/31/09.