

Technical Data Sheet

MF Series – Flat Matte Pigment Foils

Product Description

The MF Series foils are a flat matte foil that can be used on a wide number of plastic decorating applications including stamping on pens, producing details on flat plastic parts and wire marking. These foils are developed for high speed marking and feature easy release along with good abrasion and tape adhesion resistance. MF Series foils can be applied inline, onto extruded plastic parts and moldings and are specially formulated for vertical stamping, and fine line decoration.

Substrates

Acrylic
Coated Paper
HDPE
LDPE
PVC
Styrenics

Physical Properties

Carrier: 48 gauge (12 microns), 75 gauge (19 microns)
Application area: Fine, medium and broad coverage

Recommended Stamping Conditions

Substrates		Metal Die	Rubber Die
HDPE, LDPE, RIGID PVC, Styrenics	Temperature	275° - 325°F / 135° - 160°C	325° - 375° F / 160° - 190°C
	Dwell	0.2 – 0.7 Seconds	0.5 – 1.0 Seconds
Coated Paper, Flexible PVC	Temperature	200° -250°F/90 - 120°C	250° - 300°F /120° - 150°C
	Dwell	0.2 – 0.7 Seconds	0.5 – 1.0 Seconds

Standard MF Series Foils

MF 11354	White (non-vinyl)
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Features	Advantage	Benefits
Abrasion and Mar Resistance	Resistant 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 consumer satisfaction.

Storage Conditions

Foil shelf life is directly related to the storage conditions. Whenever possible, store 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 stored in a sealed polybag.

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.