

FLEXIBLE PACKAGING

FlexiStar™ ME

FLEXOGRAPHIC HEAT RESISTANT SURFACE INK SYSTEM

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A solvent-based ink system designed for primed foil lidding application. This system does not smoke when heat sealed (400° F. / 1 second / 60psi).

This solvent flexo surface ink has excellent properties while maintaining good printability.

This system has excellent heat resistant properties and could be utilized of other substrates where heat resistant properties are desired. For example: Fin seal applications.

Suitable Applications

- Lidding
- Fin Seal applications
- Coffee Pouches
- Hot Fill- can overwraps

Attributes	Benefits
• Excellent process printing properties	• Proven winner in the field and developed for easier transitions
• Compatible with nitrocellulose based inks	• Able to run High Speed with FlexiBase™ HDP bases
• Block resistant	• Easier secondary processing
• Heat Resistance	• 400° F with no smoke
• Abrasion resistance	• Excellent Wet Crinkle, Dry Rub, And Wet Rub results
• Adhesion to primed foil	• Excellent adhesion results
• Scratch resistance	• Excellent scratch resistant properties

Availability

- Commercially available
- Lead time 10 days (3 days Stock item with approval)
- Available in a full range of standard and specialty colours...
 - Methyl violet and Rhodamine, though available colours are subject to reduced shelf life, bleed and colour drift on aging
 - Fluorescent colours are special order. They may require special handling considerations, including reduced shelf life
 - Metallic's are also special order and may require special handling

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Colour Matching

The system uses FlexiStar™ LE Nitrocellulose bases and technology blend vehicle and extender.

The following is the formula guide for blending:

- V1W06951 Blend Vehicle – 30% min
- Nitrocellulose dispersion* - 70% max
- R1W06952 Line Extender– as needed
- R1W06953 Process Extender– as needed

Also available (upon special request) as mono-pigmented finished inks, matched finished inks or for blending on site.

There are three dispersions sets to choose (XCel™, XP™, FlexiBase™ HDP). The choice is dependent upon linespeed and aniloxes chosen for the job. Please refer to your Flint Group Technical representative for guidelines.

Results

Ink Variable	Adhesion	COF Kinetic	Block	Heat Seal	Crinkle	Percent Ink Removal			Scratch
						Wet Crinkle	Dry Rub	Wet Rub	
Color	Pass	0.17	No ink pick or removal	No Smoke or ink Pick	0	0	0	0	0
Color 2x	Pass	0.19	No ink pick or removal	No Smoke or ink Pick	0	0	0	0	0
Color / White	Pass	0.2	No ink pick or removal	No Smoke or ink Pick	0	0	0	0	0
Color 2x / White	Pass	0.22	No ink pick or removal	No Smoke or ink Pick	0	0	0	0	0

Heat Seal testing done versus negative control (NC Plasticizer inks) which smoke considerably.

For more details on FlexiStar™ ME, call your nearest Flint Group office or dealer.

Flint Group
15500 28th Avenue North,
Plymouth, MN 55447, USA
www.flintgrp.com

T +1 763 559 5911
Toll Free in the U.S.(800) 328 7838
F +1 763 559 3725
info.packaginginks@flintgrp.com

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