SolarWave™ Flexo DS LM
Technical Data Sheet

SolarWave Flexo DS Low Migration inks are formulated to provide flexographic printers with high performance and color consistency. These inks can be produced on the Mx12 Hybrid Dispenser or as finished system for easy blending, exhibiting exceptional print density and cure characteristics. Excellent adhesion is achieved on a wide range of non-porous films, foils, and paper. Formulated for dual cure capabilities in curing, LED at 395 nanometers and standard mercury vapor lamps. When properly cured these inks will exhibit low odor and low migration.

Typical Characteristics and Features

SolarWave Flexo DS LM inks are formulated to have the following properties:

- Formulated without benzophenone or ITX photoinitiators
- Outstanding dot reproduction
- High pigmentation ideal for use with newest anilox technology
- Optimal flow and transfer
- Fast cure for high web speeds
- High chemical and product resistance

Technical Information and ink handling

Viscosity

500-1200 centipoise (cps) @ 77°F (25°C). Inks are pumpable (peristaltic pumps recommended).

Anilox

Process:	800-1800 lpi / 0.8-2.1 bcm
Spot Colors:	360-800 lpi / 2.1-5.0 bcm
Opaque white:	280-600 lpi / 2.1-6.1 bcm

Colors

SolarWave Flexo DS LM inks are available as follows:

- Process colors
- Blending colors
- High-opacity white
- Color matching database provided with every dispenser installation

Compatibility

Silicone-free. Overprintable, stampable, and glueable with testing.

Doctor Blades

Recommended

Substrate recommendations

SolarWave Flexo DS LM inks can be used on:

- Treated or coated polyethylene (PE), polypropylen (PP), oriented polypropylene (OPP), polyester (PET), and polyvinyl chloride (PVC) films
- Coated metallized substrates
- A minimum film surface energy of 40-44 dynes / centimeter (cm) is recommended for optimal adhesion
- Coated paper and paperboard

Note: Substrates must be pre-tested to ensure ink.

Storage Considerations

To maximize shelf life, all UV-curable inks should be stored in closed opaque containers at temperatures between 40-90°F (5-32°C).

Safety, Health and Environment

SolarWave Flexo DS LM inks should be used in accordance with normal standards of industrial hygiene and good manufacturing practice. Please refer to the Safety Data Sheet for specific information. Safety Data Sheets will be supplied.

Printing inks, coatings and printing residues should be disposed of in accordance with local and national regulations.

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DESCRIPTION	EMG Number	SAP Code 1-GAL Pail	SAP Code 1-GAL Jug	SAP Code 5-GAL Pail
SolarWave DS PRO MAGENTA	TPCFV4486912	N/A	91634127	91634219
SolarWave DS PRO YELLOW	TPCFV2486911	N/A	91634128	91634218
SolarWave DS PRO CYAN	TPCFV5486913	N/A	91634376	91634178
SolarWave DS PRO BLACK	TPCFV9486914	N/A	91634393	91634320
SolarWave LM DS BL ORG	TPCFV3446919	N/A	91663281	91636302
SolarWave LM DS BL VIOLET	TPCFV6446923	N/A	91663291	91636393
SolarWave LM DS BL GREEN	TPCFV7446925	N/A	91663310	91636961
BLENDING INKS				
SolarWave DS BL T/WHITE	TPCFV0446916	91635119	91635219	91636248
SolarWave DS BL G/S YELLOW	TPCFV2446917	91641863	N/A	91636218
SolarWave DS BL HR YELLOW	TPCFV2446918	91641842	N/A	91636295
SolarWave DS BL ORANGE	TPCFV3446919	91642207	N/A	91636302
SolarWave DS BL W/RED	TPCFV4446920	91644046	N/A	91636334
SolarWave DS BL QUINDO RED	TPCFV4446922	91675480	N/A	91636384
SolarWave DS BL VIOLET	TPCFV6446923	91675357	N/A	91636393
SolarWave DS BL P BLUE	TPCFV5446924	91675389	N/A	91636394
SolarWave DS BL RUBINE	TPCFV4446921	91643974	N/A	91636452
SolarWave DS BL90279 BLACK	TPCFV9446926	91675500	N/A	91636883
SolarWave DS BL GREEN	TPCFV7446925	91644110	N/A	91636961
SolarWave DS BL R/S YELLOW	TPCFV2446928	91675439	N/A	91637902
SolarWave DS BL90401 BLACK	TPCFV9446929	91676240	N/A	91637903
SolarWave DS BL OP WHITE	TPCFV1446927	91676157	N/A	91636958
SolarWave LM SHRINK WHITEK	TPAFV1486758	N/A	N/A	91556109
SolarWave 1st DN SHRK WHT	TPCFV1486903	N/A	N/A	91630263
SolarWave LM PRIMER	TPCFV0486895	N/A	N/A	91630056

Sun Chemical | North American Inks | 135 West Lake Street | Northlake, IL 60164
+1.708.236.3798 | www.sunchemical.com | naimarketing@sunchemical.com
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