

# SolarFlex<sup>®</sup> LVS UV Flexo Inks

## Technical Data Sheet

Provisional TDS

SolarFlex LVS UV Flexo inks are designed for NWTL shrink sleeve market. They provide high shrink, excellent cure, and high adhesion on a wide range of shrink sleeve substrates.

### Typical Characteristics and Features

SolarFlex LVS UV Flexo inks are formulated to have the following properties:

- High pigmentation for use with newest anilox technologies
- Outstanding dot reproduction
- Flexible ink film with shrink capability up to 70%
- Optimal flow and transfer
- Excellent cure at high press speeds
- Excellent adhesion to a wide range of shrink films
- High chemical and product resistance
- Formulated without Benzophenone or ITX photoinitiators

### Technical Information and ink handling

#### Color range

Available in as finished process inks. Spot colors can be made using an MX-12 dispenser, or can be provided as finished inks.

#### Viscosity

500-1500 (cps) @ 77°F (25°C). These inks are supplied press ready and, should not need any adjustments under normal conditions.

#### Compatibility

SolarFlex LVS UV Flexo inks exhibit very low flexo plate swell, and can be overprinted, stamped and glued.\*

\*Note: Should always be pre-tested to ensure ink performance

#### Doctor Blades

Hardened edge single or chambered doctor blades are recommended.

### Substrates

SolarFlex LVS UV Flexo inks are suitable for most grades of treated shrink sleeve films, metallized, coated papers, and other substrates. Corona treatment is recommended for non-topcoated substrates to ensure an optimum surface tension of 38-44 Dynes/cm. Prior validation testing is always recommended.

### Cure

SolarFlex LVS UV Flexo inks are formulated press ready and provide excellent cure rates at high speeds. UV-cure rates are proportional to available UV lamp output capacity, film weight, and applied color density. A minimum of 50 mJ/cm<sup>2</sup> is recommended.

### Clean-up

SolarFlex LVS UV Flexo inks can be cleaned using standard press washes recommended for use with UV-curable inks, such as Sun Chemical Ryco-line<sup>®</sup> UV-100 wash.

### Storage Considerations

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

### Safety, Health, and Environment

SolarFlex LVS UV Flexo inks are to 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	1 Gal Jug	5 Gal Pail	Drum	BWS Fade
SolarFlex LVS Process Yellow	NWUV-1477	91660841	91699967	91669968	4
SolarFlex LVS Process Magenta	NWUV-1478	91660738	91670010	91669969	3
SolarFlex LVS Process Cyan	NWUV-1479	91660840	91669819	91669818	8
SolarFlex LVS Process Black	NWUV-1530	91682660	91682549	91682548	8
SolarFlex LVS Extender	NWUV-1624	91729966	91729965		N/A
SolarFlex LVS G/S Yellow	NWUV-1613	91729777	91729776		4
SolarFlex LVS L/F G/S Yellow	NWUV-1627	91735532	91735531		7
SolarFlex LVS R/S Yellow	NWUV-1614	91729898	91729897		7
SolarFlex LVS H/R Yellow	NWUV-1628	91735523	91735522		6
SolarFlex LVS Orange	NWUV-1615	91730016	91730015		5
SolarFlex LVS L/F Orange	NWUV-1644	91735551	91735550		6
SolarFlex LVS Warm Red	NWUV-1616	91729955	91729954		5
SolarFlex LVS L/F Warm Red	NWUV-1629	91735535	91735534		7
SolarFlex LVS Rubine	NWUV-1617	91730287	91730286		3
SolarFlex LVS L/F B/S Red	NWUV-1643	91735379	91735378		8
SolarFlex LVS Quinacridone	NWUV-1618	91730209	91730208		8
SolarFlex LVS Carbazole Violet	NWUV-1621	91730264	91730263		8
SolarFlex LVS Green	NWUV-1622	91730198	91730197		8
SolarFlex LVS Cyan	NWUV-1619	91729728	91729727		8
SolarFlex LVS Imit Reflex Blue	NWUV-1620	91730262	91730261		8
SolarFlex LVS Neutral Black	NWUV-1623	91730320	91729729		8

The information contained in this technical data sheet is only a recommendation and may need to be altered to suit the conditions and efficiency of the equipment employed. Our products are not designed for use in conjunction with those of any other ink maker or similar supplier unless agreed to in writing.

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