

## Specification

Viscosity(cps) at 25°C, Brookfield DV-2+	3500-4500
Cure Speed (300W/inch) FUSION	27m/min
Odor	Mild Acrylate
Optimum thickness	3 -10 g/ m <sup>2</sup>

## Description :

*HDPE series, a UV curable screen ink, was designed for use on pre-treated HDPE plastic containers. There is no additives required and excellent rub-resistance and chemical resistance with good gloss, wide finishes & color in the fast curing properties.*

*This series contains several matt finishes for many end user requirement and it will be work will intermixing gloss inks and matt finished inks. Matt finished inks would be introduce in the TDS of UV curable coating & varnish.*

## Application suggestion :

*A screen mesh size of 200-350 mesh / inch plain wave, monofilament polyester mesh will be provide best results and sharp polyurethane squeegee of approximately 75 – 85 durometer 60/90 recommended for optimum results. Typical printing lines utilize 300W/ inch (120W/cm) D-bulbs, between print stations. Other UV systems with suitable spectral out put in the 300 – 400nm range, such as medium-pressure mercury vapor or metal halide, may be used. Actual cure speeds will vary depending on color and opacity of the ink, screen mesh, and other printing parameters that affect ink deposit, as well as the UV CURING UNIT USED. Before printing by it, check surface tension of substrate for good adhesion .*

*May be 48 – 54 mN/m<sup>2</sup> of surface tension is acceptable. Since all the print substrates mentioned may be different printability, even within an individual type, preliminary trial are essential to determine suitability for the intended use.*

## Wash up :

*Screen may be cleaned with IPA and some Alcohols, n-propyl acetate or many commercial screenwashes.*

*We recommended PSM – 100 Wash up solution for cleanings and clean immediately after printing.*

## Health & Safety :

*As with this inks, gloves and safety device should be used when handling the products. For more complete information do you need, refer to the Material Safety Data Sheet before use.*

## Storage & Handling:

The product requires stirring prior to use. The shelf life is good when stored away from heat and protected from UV LIGHT exposure. The material is combustible and should not be used near open flame. Store below 32 °C. Best when used within 6 month of product Lot No. date on label. Under different conditions, particular higher temperatures, the shelf life is reduced.

## Mono-pigmented Colors:

HDPE 111	Green shade Yellow	HDPE 115	Golden Yellow
HDPE 119	Orange	HDPE 180	Blue shade Red
HDPE 181	Cerise/Yellow shade Red	HDPE 182	Rhodamine Red/Pink
HDPE 183	Warm Red	HDPE 149	Green
HDPE 155	Reflex Blue	HDPE 159	Permanent Blue
HDPE 185	Violet		

## Pantone Metallic Colors:

HDPE 871	Rich Gold	HDPE 876	Pale Gold
HDPE 877	Silver		

► This can be several metallic color when mixing together from above standard base color with monopigmented color. Select mesh with opening large enough to transfer the metallic pigments of choice. Normally a mesh count 305 mesh / inch or lower is required will reduce shelf life of mixtures.

## Black & White:

HDPE 583	Mixing White	HDPE 584	High opaque White	HDPE 582	Black
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## SWOP Process Colors:

HDPE 131	H.T Yellow	HDPE 140	H.T Magenta	HDPE 135	H.T Cyan
HDPE 171	H.T Black	HDPE 139	H,T Base		

## Modifier & Other products:

HDPE 101	Overprint Clear	HDPE 199	Mixing Clear	HDPE-CA	Cure Accelerator
HDPE - VM	Viscosity modifier	HDPE - M2	Matt Clear		

**Wash - up Solution:** HDPE 100 low toxic cleaning solution

## Disclaimer:

All information on this data sheet is based on JESCO laboratory test experience in print press. Procedures and directions for use of JESCO products must be considered as recommendations only, with no warranties expressed or implied. The printer solely responsible for determining suitability for any JESCO product for the particular application.