



## **Most Popular Heatset & Forms Products**

### **Premium Heatset Vehicles**

- KB-673LT Fast setting, laser resistant, heatset gel vehicle
- KB-633 Fast setting, laser resistant, heatset free flow vehicle
- KB-618W Instant squalene heatset cover gel

### **General Purpose Heatset Vehicles**

- KB-2009A Economical Heatset Gel Vehicle
- KB-2017 Economical, high performance heatset free flow vehicle
- KB-2900 Heatset Gel Vehicle
- KB-2902 Free Flowing Heatset Ink Vehicle
- KB-2910 Phenol Formaldehyde-Free Heatset Gel Vehicle

### **Non-Heatset/Forms Vehicle**

- KB-814A Laser resistant forms gel vehicle
- KB-813 100% solids soya forms gel vehicle
- KB-806 100% solids forms free flow

### **News Vehicles**

- KB-843 Soya news vehicle

# Technical Data Sheet



## KB-673LT Fast Setting Heatset Gel Vehicle

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### Product Description

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**KS-673LT** is formulated to be extremely fast setting and allow for high-speed heatset printing even with short ovens. Inks made with **KB-673LT** can be used to print any forms via web offset heatset. The fast setting and hard drying nature of **KB-673LT** will eliminate many problems with marking through the delivery, chill rolls, and bindery process.

### Performance Characteristics

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- Ultra fast set speed
- Excellent gloss
- Superb litho properties

### Physical Properties

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<b>Tack @ 400 rpm/1 min:</b>	12.0 – 13.0
<b>Viscosity in Poise:</b>	550 – 750
<b>Yield Value in Dynes/cm<sup>2</sup>:</b>	20,000 – 26,000
<b>% Solids:</b>	50 – 52

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# b-633 Technical Data Sheet

## KB-633

### Fast Setting, Laser Resistant Heatset F.F. Vehicle

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#### Product Description

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**KB-633** is formulated to be extremely fast setting and allow for high-speed heatset printing even with short ovens. The fast setting and hard drying nature of **KB-633** will eliminate many problems with marking through the delivery, chill rolls, and bindery process. Use as a companion free flow vehicle for **KB-673LT** fast setting gel vehicle.

#### Performance Characteristics

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- Ultra fast set speed
- Excellent gloss
- Superb litho properties

#### Physical Properties

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<b>Tack @ 400 rpm/1 min:</b>	20.0 – 22.5
<b>Viscosity in Poise:</b>	1000 – 1200
<b>Yield Value in Dynes/cm<sup>2</sup>:</b>	3,500 – 5,500
<b>% Solids:</b>	48-50

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# Technical Data Sheet

## KB-618W

### Instant Squalene Resistant Heatset Cover Gel

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#### Product Description

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**KB-618W** is formulated to develop instant squalene resistance. **KB-618W** also has good gloss and rub properties. **KB-618W** needs to be used with instant squalene resistant web flushes to develop the optimum instant squalene resistant cover ink. No driers are necessary and the problem of skinning can be avoided.

#### Performance Characteristics

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- High molecular weight resin system
- Excellent film and resistance properties
- High viscosity for low dot gain
- Holds structure under heat and shear

#### Physical Properties

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<b>Tack @ 400 rpm/1 min:</b>	13 – 15
<b>Viscosity in Poise:</b>	1300 – 1500
<b>Yield Value in Dynes/cm<sup>2</sup>:</b>	20,000 – 30,000
<b>% Solids:</b>	46 – 48

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# Technical Data Sheet



## KB-2009A Economical Heatset Gel

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### Product Description

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This vehicle system has been specially formulated to produce an economical web ink that exhibits many high performance characteristics. Ink made from **KB-2009A** has excellent gloss and good press stability. This system is compatible with a wide range of flushes and allows for formulating flexibility.

### Performance Characteristics

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- Excellent Work Horse Web Vehicle
- Very Low Misting
- Enhances Mileage Through Better Transfer

### Physical Properties

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Tack @ 400 RPMs/1'	10.0-12.0
Viscosity in Poises	600-800
Yield Value in Dynes/cm <sup>2</sup>	25000-35000
% Solids	51 - 53

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# Technical Data Sheet

## KB-2017

### Millennium 2000 Series Heatset Free Flow Vehicle

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#### Product Description

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KB-2017 is our most economical heatset free flow.

#### Performance Characteristics

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- Good economics
- Free flowing

#### Physical Properties

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Tack @ 400 rpm/1 minute:	14-16.5
Viscosity (Poise):	200-350
% Solids:	56-58

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# Technical Data Sheet

## KB-2900

### Heatset Gel Vehicle

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#### Product Description

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**KB-2900** is a heatset vehicle. This varnish is a high gloss heatset gel letdown. On the one side, **KB-2900** has the structured, high molecular weight modified phenolic backbone. These resins yield gloss, transfer, lithographic balance and superior rub.

The co-resin in **KB-2900** is classified as a high yield hydrocarbon resin. These resins bring up gloss, wet pigment and strengthen water balance. This combination of resins yields all the running properties needed to produce an excellent web ink. **KB-2900** sets at low temperatures and exhibits very fast solvent release.

#### Performance Characteristics

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- High gloss
- Excellent water balance
- Highly structured
- Workhorse heatset gel

#### Physical Properties

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<b>Tack @ 400 rpm/1':</b>	10-12
<b>Viscosity in Poise:</b>	800-1000
<b>Yield Value in Dynes/cm<sup>2</sup>:</b>	25000-35000
<b>% Solids:</b>	54-56

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# Technical Data Sheet

## KB-2902

### Free-Flowing Heatset Ink Vehicle

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#### Product Description

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**KB-2902** is a heatset vehicle. **KB-2902** is the free flow rheological adjuster to the **Webvar™** series of heatset letdowns. The products encompass two extremes in resin technology. On the one side, **KB-2902** has the structured, high molecular weight modified phenolic backbone. These resins yield gloss, transfer, lithographic balance and superior rub.

The co-resin in **KB-2902** is classified as a high yield hydrocarbon resin. These resins bring up gloss, wet pigment and strengthen water balance. This combination of resins yields all the running properties needed to produce an excellent web ink.

#### Performance Characteristics

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- Enhances gloss, transfer, and rub resistance
- Good pigment wetting
- Improves water balance

#### Physical Properties

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<b>Tack @ 400 rpm/1':</b>	10-12
<b>Viscosity in Poise:</b>	200-300
<b>Yield Value in Dynes/cm<sup>2</sup>:</b>	1000-2000
<b>% Solids:</b>	49-47

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# Technical Data Sheet

## KB-2910

Phenol Formaldehyde-Free Heatset Gel Vehicle



### Product Description

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**KB-2910** is a high performance heatset gel varnish. With a free flowing varnish all types of web-offset inks can be formulated for the most demanding press applications.

Can provide significantly improved performance properties. Ink water balance, sharper print at lower tacks and reduced tendency to mist.

### Performance Characteristics

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- Phenol formaldehyde-free
- High renewable content
- Fast setting
- Print sharpness
- Enhanced ink/water balance

### Physical Properties

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<b>Tack @ 400 rpm/1 minute:</b>	4-6
<b>Viscosity (Poise):</b>	250-450
<b>Yield (dynes/cm<sup>2</sup>):</b>	10000-15000
<b>Solids:</b>	42-44%

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# Technical Data Sheet



## KB-814A High Solids Forms Gel

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### Product Description

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Kustom Blending is proud to offer an updated high solids soya forms vehicle. **KB-814A** is a high viscosity phenolic resin based, high-end forms vehicle. **KB-814A** is laser resistant under normal conditions (always test to ensure success prior to press run). **KB-814A** promotes fast drying, non-misting, excellent lithographic properties, and the benefit of more processing ease. **KB-814A** can be used to formulate a wide variety of non-heat web offset inks, including rotary forms, tabloid, and news. **KB-814A** contains >45% soya oil.

### Performance Characteristics

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- Laser resistant under normal conditions (always test to ensure success prior to press run).
- High soya content
- High viscosity

### Physical Properties

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<b>Tack @ 400 rpm/1'</b>	12.5 – 14.5
<b>Viscosity (Poise):</b>	650 – 850
<b>Yield Value (Dyne/cm<sup>2</sup>):</b>	14,000 – 17,000
<b>% Solids:</b>	96 – 98

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# Technical Data Sheet



## KB-813

### 100% NVM Economical Forms Gel Vehicle

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#### Product Description

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**KB-813** is a high solids low tack fast drying forms/cold set gel. KB-813 can be used to formulate a wide variety of non-heat web offset inks, including rotary forms, tabloid, and news. KB-813 contains 40% soy oil.

#### Performance Characteristics

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- High Soya Content
- Low Tack
- Fast Dry

#### Physical Properties

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<b>Tack @ 400 RPMs/1':</b>	9.5-11.0
<b>Viscosity (Poise):</b>	300-400
<b>Yield Value (Dynes/cm<sup>2</sup>):</b>	12000-17000
<b>% Solids:</b>	98-100

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# Technical Data Sheet



## KB-806

### 100% NVM Forms Free Flow

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#### Product Description

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**KB-806** can be used as a companion free flow to formulate a wide variety of non-heat web offset inks, including rotary forms, tabloid, and news. **KB-806** contains 40% soya oil.

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#### Performance Characteristics

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- High soya content
- High solids
- Free flowing

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#### Physical Properties

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<b>Tack @ 400 RPMs/1':</b>	12.5 – 13.5
<b>Viscosity (Poise):</b>	250 - 350
<b>Yield Value (Dynes/cm<sup>2</sup>):</b>	500-1500
<b>% Solids:</b>	98 - 100

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# Technical Data Sheet

## KB-843 Soya News Vehicle

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### Product Description

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**KB-843** was formulated to hold up under the high heat and shear generated by today's faster speed presses. **KB-843** has good transfer, non-misting, excellent lithographic properties, and the benefit of more processing ease. . **KB-843** can be combined with **KB-806** 100% Solids Soya Forms Free Flow to control rheology. **KB-843** can be used to formulate a wide variety of non-heat web offset inks, including rotary forms, tabloid, and news.

### Performance Characteristics

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- Excellent film forming properties
- Excellent litho properties
- Good set speed

### Physical Properties

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<b>Tack @ 400 rpm/1':</b>	14.0 – 16.0
<b>Viscosity (Poise):</b>	700 – 900
<b>Yield Value (Dyne/cm<sup>2</sup>):</b>	34,000 – 42,000
<b>% Solids:</b>	98-100

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