

Technical Data Sheet

KB-767

Body Builder



Product Description

KB-767 is an easy to use liquid additive developed to increase ink viscosity and structure. **KB-767** is more effective and is an excellent choice to replace dry additives in all oleoresinous inks including sheetfed, waterless, and heatset. Suggested usage is 0.5 - 2.0%.

Performance Characteristics

- Increases ink viscosity and structure
- Control Misting
- Liquid additive easily stirs into inks
- Can be used to convert conventional inks into Waterless inks

Physical Properties

Appearance	Brownish Liquid
Viscosity in Poises	50-150
Solids	38 – 40% Method A

FOR YOUR PROTECTION:

The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning uses or applications are only the opinion of KUSTOM GROUP, INC. and users should make their own tests to determine the suitability of this product for their own particular purposes. However, because of numerous factors affecting results, KUSTOM GROUP INC. makes no warranty of any kind, expressed or implied, including those of merchantability and fitness for purpose, other than that the material conforms applicable current Standard Specifications. Standard Specifications, although current at the time of publication, are subject to change without notice. Please refer to the SDS for additional information. DATE REVISED: 01/04/2019

KB-767 Heatset and Sheetfed Reactivity and Stability Study

Ink was made using the following Sheetfed ink formulation:

KB-215 Lithomaster S.F. Gel	42.0%	<u>Initial ink specs:</u>		
Quickset Flush	47.5%			
Polyethylene Wax Comp.	4.0%		Tack @ 1200 rpms/1min.:	14.2
6% Cobalt Drier	1.0%		Laray Viscosity:	385
6% Manganese Drier	0.5%		Laray Yield Value:	3,936
M-60 Oil	<u>5.0%</u> 100%			

KB-767 was added to this ink at 2 and 4% level. The following changes in body were observed:

<u>Dates</u>	<u>Visc. (2%)</u>	<u>Yield (2%)</u>	<u>Visc. (4%)</u>	<u>Yield (4%)</u>
**Within 10 minutes of addition	530	15,847	623	29,127
24 Hours Later	553	15293	632	33,295
1 Week Later	551	14852	592	31,578
1 Month Later	559	15947	651	37,319

* - 4 percent of **KB-767** is obviously too much to make a good ink in the above system, but this information was included to show the power of **KB-767**.

Ink was made using the following **Heatset ink** formulation:

KB-2018 Heatset Gel	32.0%	<u>Initial ink specs:</u>		
KB-2017 Heatset FF	12.0%			
Heatset Flush	45.0%			
Micro Wax Compound	4.0%		Tack @ 1200 rpms/1min.:	10.4
M-470 Oil	<u>7.0%</u> 100%		Laray Viscosity:	237
			Laray Yield Value:	1,351

KB-767 was added to the above inks at 2% and 4% level and the following changes in body were observed over time:

<u>Dates</u>	<u>Visc. (2%)</u>	<u>Yield (2%)</u>	<u>Visc. (4%)</u>	<u>Yield (4%)</u>
**Within 10 minutes of addition	263	2246	263	3254
48 Hours Later	271	2350	263	4,375
1 Week Later	291	2563	285	6,120
1 Month Later	291	3,331	307	6,346
6 Weeks Later	357	3,520	353	5,361

** - In both sheetfed and heatset inks there was no significant change in initial tack after the addition of the **KB-767** and after 10 minutes. Initial tacks were not checked on subsequent days but are not expected to have changed much.

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