

Providing Creative Solutions



HydriPrint™ 300
Product Information



HYDRITE CHEMICAL CO.

Product Information

HydriPrint™ 300

PRODUCT DESCRIPTION

HydriPrint™ 300 is a styrene-acrylic emulsion polymer designed for low gloss inks and overprints without the use of silica and/or wax additives.

Features and Benefits

- Fast drying
- Very low gloss – typical value of <5 on 60° Gloss meter
- Non-blocking
- Good water resistance
- Excellent transfer & resolubility

Advantages Over Silica-based Systems

- Very easy to use
- No need to incorporate a silica slurry
- Better stability – no issues with settling or floating
- Will not cause poor lay or streaking
- Has potential to obtain lower gloss

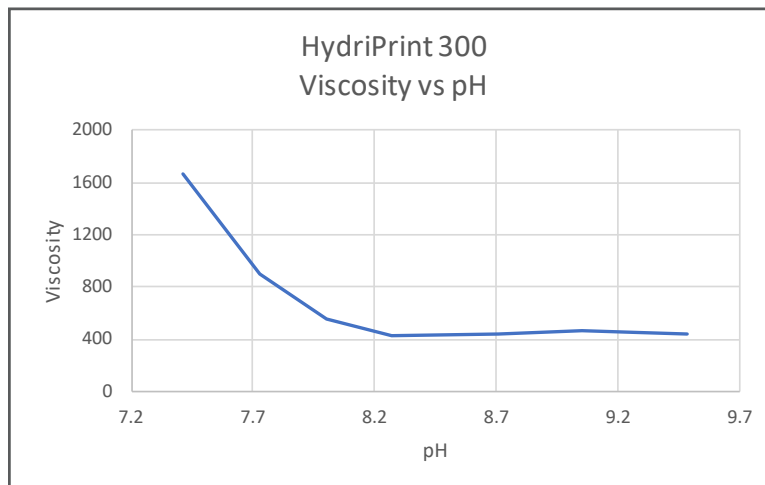
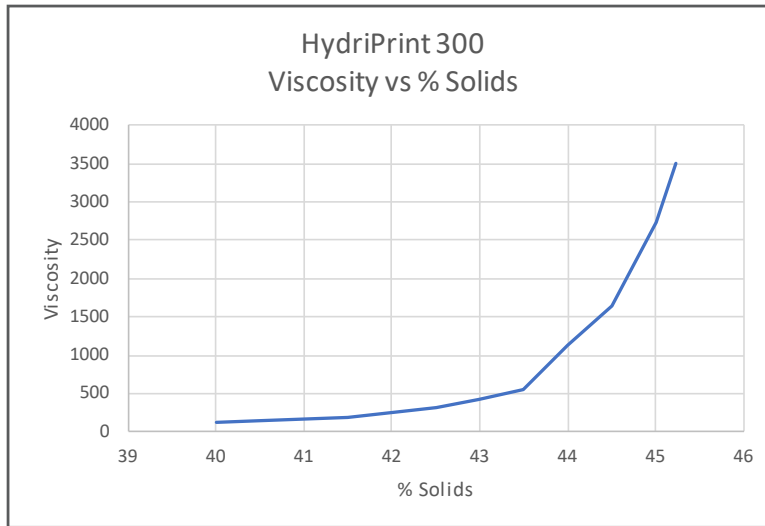
TYPICAL VALUES*

Solids Contents (wt%):	43
pH:	8.0
Viscosity (cp):	500
Tg, °C:	60
Appearance:	White emulsion
Acid Number:	32
Freeze/Thaw Stability:	Passes 3 cycles
Heat Stability:	Passes 2 weeks at 120°F

*Not a Specification

It is acknowledged that the application of the information contained herein may vary depending on the particular facts and circumstances and that future changes may render the information obsolete or inaccurate. Although we believe the information shown is accurate, Hydrite shall not be liable with respect to the application or use of any of the information. HYDRITE MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MARKETABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ANY PRODUCT.

HydriPrint™ 300



Gloss Retention		
% HydriPrint 300	% HydriPrint 330	60° Gloss Readings*
100	0	1/3*
75	25	3/5*
50	50	6/9*
25	75	22/18*
0	100	58/37*

Tested: Neat polymers, 20/3Z, Leneta (NA2-3), 180-line anilox
*Coated section/Uncoated section of Leneta

PRECAUTIONS: Product safety information and handling precautions are contained on the product label and Safety Data Sheet (SDS).
READ AND UNDERSTAND LABEL AND SAFETY DATA SHEET BEFORE PRODUCT USE.

Providing Creative Solutions

Starting Point Formula for Low Gloss Overprint

Product	%
HydriPrint 300	70.8
HydriPrint 330	8.8
HydriCryl 132	8.8
Emulsion Wax 325G ¹	5.3
Cola Wet DOSS 70PG ²	1.0
Water	5.3
Total	100.0
Viscosity	29s/2Z
60° Gloss Reading	2/4*

Starting Point Formula for Low Gloss Ink

Product	%
HydriPrint 300	57.4
HydriCryl 132	9.6
Emulsion Wax 325G ¹	4.8
Flexiverse Dispersion ³	23.9
Water	4.3
Total	100.0
Viscosity	25s/2Z
60° Gloss Reading	10/11*

¹BYK

²Colonial Chemical

³Sun Chemical

Contact your Hydrite
representative for samples



Hydrite Chemical Co. 300 N Patrick Blvd. Brookfield, WI 53045
Phone: 1-608-839-8113 | Email: marketing@hydrite.com
www.hydrite.com