

## SOLVENT COMPATIBILITY WITH RHOPLEX I-62 AND RHOPLEX I-98

Rhoplex I-62 and Rhoplex I-98 neutralized are compatible with the typical solvents and glycol ethers utilized in the graphic arts industry.

## COMPATIBILITY WITH OTHER POLYMERS

Rhoplex I-62 and Rhoplex I-98 are compatible with the standard styrene/acrylics that are used in the graphic arts industry.

## TYPICAL STARTING POINT FORMULATION

Application: Flexographic Ink with a Pre-dispersed Pigment for a Paper Substrate		
Rhoplex I-62	22.5	-
Rhoplex I-98	-	37.5
Water	21.2	11.2
Ammonia	1.3	1.3
Flexiverse RFD-1150 <sup>1</sup>	40.0	40.0
Luciwax <sup>®</sup> 37	5.0	5.0
Water	10.0	5.0
Total	100.0	100.0
Viscosity, #2 Zahn cup, sec.	25	25
Pigment/Binder ratio	1/1	1/1
<sup>1</sup> Sun Chemical		

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### DESCRIPTION

Both Rhoplex I-98 and Rhoplex I-62 are aqueous, acrylic alkali soluble colloids, supplied unneutralized. Readily neutralized, these modified acrylics can be used as a sole vehicle or letdown resin typically recommended for corrugated substrates. Both contain acid and hydroxy functional monomers, which may be used in post print crosslinking.

### CHARACTERISTICS

- Supplied unneutralized
- Choice of amine for solubilization
- Good transfer properties
- Good gloss and rheological modifiers
- Rhoplex I-62 has less drink and Rhoplex I-98 has more drink

### Typical Properties

	Rhoplex I-62	Rhoplex I-98
Appearance	Off-white milky emulsion	Off-white milky emulsion
Solids, %	50.0	30.0
pH	3.5	3.5
Viscosity, cP	250	100
Tg, °C	45	45
Acid Number	100	100
Hydroxy Number	63	63
Molecular Weight	15000	30000
Flash Point, °F	> 200	>200
Heat Stability	Yes	Yes
Freeze/Thaw Stability	Protect from freezing	Protect from freezing
VOC	No	No

### Composition

	Rhoplex I-62	Rhoplex I-98
Water	47.1	13.8
Rhoplex I-62	50.0	-
Rhoplex I-98	-	83.3
Ammonia	2.9	2.9
Total	100.0	100.0
Solids, %	25	25
pH	8.5	8.5
Viscosity, cP	600	1000