



## PU-546

### POLYMER DESCRIPTION

Non-reactive, film forming polyurethane in ethanol/ethyl acetate blend.

### KEY BENEFITS

OH functionality allows for pigment grinding  
Film former with low tackiness  
Soluble in alcohol rich mixtures  
Fully compatible with alcohol soluble nitrocellulose

### PHYSICAL PRODUCT PROPERTIES

Appearance	Transparent liquid
Solids%	42
Viscosity Brookfield @RT, cps	1300
Density @RT, g/cm <sup>3</sup>	0.915
Flash Point	4°C
Solvent blend	Ethyl alcohol/Ethyl acetate

### FILM PROPERTIES

Tg (DSC, inflect. Pt)	n.a.
100% modulus	n.a.
Ultimate tensile strength	n.a.
Elongation at break	n.a.

### END-USE PROPERTIES

- Useful in formulating flexo and gravure inks with excellent press behavior for printing on common flexible packaging films like polyester, polyolefins, aluminum foil and metalized films.
- When properly formulated inks show excellent adhesion and lamination bond strengths to various flexible packaging films.
- Solvent retention values are substantially lower than those of conventional inks.

### GENERAL RECOMMENDATIONS

- Blending with hard resins may be required to eliminate residual tackiness.
- The use of nitrocellulose must be minimized to ensure adhesion, lamination bond strength and low solvent retention.
- The use of adhesion promoters is recommended when printing on polyolefin films

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