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^3	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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