PU-518

POLYMER DESCRIPTION

Aromatic, polieter semi film forming polyurethane in ethanol/ethyl acetate blend.

KEY BENEFITS

Metals free
Soluble in alcohol rich mixtures
Fully compatible with alcohol soluble nitrocellulose

PHYSICAL PRODUCT PROPERTIES

Appearance	Transparent liquid
Solids%	45
Viscosity Brookfield @RT, cps	1800
Density @RT, g/cm^3	0.91
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 for printing on common flexible packaging films like polyester (chemical coated), polyolefin, aluminum foil and metalized films.
- When properly formulated PU-518 allows for inks with excellent adhesion and lamination bond strengths to various flexible packaging films.
- Solvent retention values are 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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