



POLYURETHANE DISPERSION – SM 1452

DESCRIPTION:

Polyurethane Resin SM 1452 is a non-reactive thermoplastic, chemically inert and non-toxic urethane polymer.

SPECIFICATION:

Appearance	Clear Liquid
% Solid	50 ± 2%
Specific Gravity	1.0 (+/-) 0.1
Flash Point	-4 degC
Acid Value	< 2
Color Gardner	1 max.

TYPICAL VALUE:

Free Isocyanate	Zero
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SOLVENT COMPOSITION:

Resin	50
Ethyl Acetate	45 ± 2%
Ethanol	5 ± 2%

COMPATIBILITY:

Readily compatible with N.C., Vinyl's, Maleic & Ketonic Resins.

The leaflet provides information based on experience and lab experiments, but values may vary in practical use. Customers should ensure product suitability and not base legal claims on the leaflet.



SOLUBILITY:

Esters are the true solvent. Blend of ketones, alcohols, esters & aromatic hydrocarbons can be used.

APPLICATIONS:

For making solvent base inks for gravure/flexo process. Common inks for both PET and BOPP film can be made to achieve excellent lamination strength, adhesion and running properties.

STORAGE:

PU Resin SM-1452 should be stored in its sealed original packing at temperature between 25 – 40 degC. Under this condition, the product will remain stable for about six months.

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