



## TECHNICAL DATA SHEET

### Setal 10-1821

Branched polyester polyol modified with t-SCA

(European name: Setal 82166 SS-64)

#### General description:

Setal 10-1821 is a slightly branched polyester polyol (5.4 % hydroxyl on n.v.) that is modified with a transparent sag control agent. When this resin is combined with an aliphatic poly-isocyanate, the resulting coating will exhibit good clarity, very good exterior durability, flexibility and excellent mechanical properties.

#### Technical features:

1. Good durability and mechanical properties
2. Good anti-sag properties coupled with film clarity and good gloss properties
3. Improved flow at even low film builds

#### Application:

1. Flexible industrial coatings which possess anti-sag properties directly after spraying
2. Flexible clearcoats for plastic substrates

**Delivery form:** 64% n.v. in n-butyl acetate / xylene (96 / 4 pbw)

#### Typical properties:

Property	Value	Units	Method *
Non-volatiles, by weight	62 - 65	%	001G
Viscosity 1 s <sup>-1</sup>	3.0 – 9.5	Pa•s	012E
Viscosity 1000 s <sup>-1</sup>	0.25 – 0.55	Pa•s	012E
Amine content	6 maximum	meq NH / kg	040A
Fineness	15 maximum	microns	024A
Appearance	opaque in appearance, clean and free from extraneous		017A

\* STM: Nuplex Resins by method of determinations (available on request)

Density: 8.75 ± 0.10 lbs/gal HEW on n.v. = 315

Flash point: 78° F Setaflash

SCA on solution 2.5% pbw

Non-volatile, by vol. 54.5%

*Not on DSL Inventory*

**Updated:** September, 2010

All information, recommendations and suggestions, concerning the product and its use, are believed to be reliable. However, Nuplex Resins gives no assurance as to the accuracy, completeness, or adequacy for a particular purpose. It is the user's responsibility to determine the suitability for its own use of the products. No guarantee (whether expressed or implied) is made by Nuplex Resins as to the results to be obtained from using the described products, nor shall Nuplex Resins be liable for any use by others of the described products. Users are responsible for ensuring compliance with local legislation and obtaining the necessary certifications and authorizations. All orders are subject to the general conditions of sale of Nuplex Resins, which are printed overleaf and/or can be downloaded from [www.nuplexresins.com](http://www.nuplexresins.com). All of user's general terms and conditions are herewith deemed rejected. Nuplex Resins owns all copyrights and other intellectual property rights in the contents of this document. Reproduction or redistribution in any form is not allowed.