



TECHNICAL DATA SHEET

Setaqua B E 270

A water-soluble polyester resin [46-4270]

General description:

Setaqua B E 270 is a water-reducible, oil-free, saturated polyester resin that is used in combination with water-reducible amino resins in the formation of industrial baking coatings and aqueous baking primers for OEM automotive coatings. If above-average stonechip resistance is required, Setaqua B E 270 should be combined with polyurethane dispersions

Technical features:

1. Low co-solvent content
2. Good intercoat adhesion
3. Good hardness, flexibility and high gloss

Suggested uses:

1. Metallic and solid color water borne baked basecoats and topcoats for automotive OEM
2. Dip primers, which are subsequently overcoated with powder coatings

Delivery form: 70% n.v. in DI water/ butyl cellosolve/ DMEA (neutralized) (39/ 44/ 17 pbw)

Typical properties:

Property	Value	Units	Method *
Non-volatile, by weight.	70 ± 1	%	DIN EN ISO 3251
Viscosity, (23°C):	12,000 ± 3000	mPa.s	DIN EN ISO 3219/A.3
Acid value (as such)	35 ± 3.5	mg KOH/g	DIN EN ISO 2114
pH (10% solution with water)	8.0 ± 0.5		DIN ISO 976

* SDM: Nuplex Resins methods of determination (available on request)

Density, at 20°C: 9.15 lbs./gal
Flash point: > 110°C
Non-volatile, by vol.: 64.7%
Appearance: clear to slightly cloudy
Mean particle size: ≤ 20 nm

Not on the DSL Inventory

Stability: Setaqua B E 270 is stable for 6 months when stored in originally sealed containers at temperatures above 32°F or below 90°F. In tank containers, the product is stable for 3 months.

Updated: February, 2014

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. 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.