



TECHNICAL DATA SHEET

Roskydal 502 BA

An unsaturated polyester [66-4502]

General description:

Roskydal 502 BA is a highly-reactive, styrene-free, wax-free unsaturated polyester resin which cures to yield hard films. The coatings can be conventional- or UV radiation- cured and have good resistance to scratching, solvents, other chemicals, and yellowing in both light and dark conditions. The application rate should not exceed 100 g/m². Roskydal 502 BA satisfies the requirements of DIN 68.861, Group B. Curing by conventional methods requires the addition of a cobalt accelerator and peroxide. UV curing requires the use of a photoinitiator.

Technical features:

1. Wax-free and styrene-free
2. Hard films with excellent scratch, solvent and chemical-resistance
3. Good resistance to yellowing

Suggested uses:

1. Clear and pigmented coatings for wood and furniture

Delivery form: 80% non-volatile in n-butyl acetate

Typical properties:

Property	Value	Units	Method *
Non-volatile, by weight	80 ± 1	%	DIN EN ISO 3251
Viscosity (23°C)	4500 ± 500	mPa s	DIN EN ISO 3219/A
Acid value (as such)	18 ± 4	mg KOH/g	DIN EN ISO 2114
Hazen color value	100 maximum	Hazen	DIN EN 1557

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

Density, at 20°C: 9.58 lbs./gal
Flash point: 30°C
Non-volatiles, by vol.: 73.9%

On DSL Inventory

Stability: when stored in originally sealed containers at temperatures not exceeding 73°F, the product will remain stable for 6 months.

Updated: April, 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.