

TECHNICAL DATA SHEET

SYNOLAC® 75 ND 64

Oil free polyester

PRODUCT APPLICATION DETAILS

SYNOLAC® 75 ND 64 is a medium molecular weight linear thermoplastic saturated polyester resin. This resin is especially recommended for metallic coatings with excellent mechanical properties, allowing mechanical processing.

SYNOLAC® 75 ND 64 is recommended for high quality base coatings with excellent mechanical properties, "Coil-coating" enamel and overprint varnishes.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (150°C)	63 - 65 %	ISO 3251
Viscosity (Brookfield SC4-25/13R, 13.2s-1) (25°C)	2900 - 4600 mPa.s	ISO 3219
Color	2 max Gardner	ISO 4630
Acid value	6 max mg KOH/g	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Aromatic solvent (boiling range 175°C - 215°C)	-
Flash point	55 °C	ISO 3679
Density	1.08 g/ml	ISO 2811
Hydroxyl equivalent weight	30	-

¹The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications

MARKETS

Coatings & Inks

- Industrial Coating
 - Coil
 - Packaging Coating Metal (Can And Others)

PERFORMANCE BENEFITS

- Excellent colour and gloss retention
- Good mechanical resistance

SYNOLAC® 75 ND 64

FORMULATION GUIDELINES

SOLUBILITY

SYNOLAC® 75 ND 64 is soluble in toluene, xylene, methylene chloride, tetraline, 2-nitropropane, esters, ketones and glycol ethers. It is partially soluble in solvent naphtha and alcohols and insoluble in aliphatic solvents.

COMPATIBILITY

SYNOLAC® 75 ND 64 is compatible with cardura resins, saturated polyesters, epoxy resins, hexamethoxymethylmelamine resins, benzoguanamine resins, nitrocellulose resins, acetobutyrate, vinylchloride resins, aldehyde resins and phthalic plasticizers, is also compatible with Cymel® 370 ⁽¹⁾, Desmodur® BL 3175 ⁽²⁾ and Paraloid™ B-44 ⁽³⁾. It is partially compatible with epoxy esters and urea resins. It is incompatible with acrylated polyesters, most of melamine resins and Neocryl® B-725 ⁽⁴⁾.

Notes: ⁽¹⁾ Allnex, ⁽²⁾ Bayer MaterialScience, ⁽³⁾ Dow, ⁽⁴⁾ DSM NeoResins

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® 75 ND 64 should be stored indoors in the original, unopened and undamaged container, in a dry place at a temperature not exceeding 30°C. Exposure to direct sunlight should be avoided.

In the above mentioned storage conditions the shelf life of the resin will be from the shipping date.

Headquarters: Arkema France
51, Esplanade du Général de Gaulle
92800 Puteaux – France
T +33 (0)1 49 00 80 80

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