

## 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 CHARACTERISTICS<sup>1</sup>

	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	-

<sup>1</sup>The 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 <sup>(1)</sup>, Desmodur® BL 3175 <sup>(2)</sup> and Paraloid™ B-44 <sup>(3)</sup>. It is partially compatible with epoxy esters and urea resins. It is incompatible with acrylated polyesters, most of melamine resins and Neocryl® B-725 <sup>(4)</sup>.

Notes: <sup>(1)</sup> Allnex, <sup>(2)</sup> Bayer MaterialScience, <sup>(3)</sup> Dow, <sup>(4)</sup> 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.

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

Disclaimer - Please consult Arkema's disclaimer regarding the use of Arkema's products on <https://www.arkema.com/global/en/products/product-safety/disclaimer/> which is incorporated herein by reference and made a part hereof.

Arkema France, a French société anonyme registered at the Trade and Companies Register of Nanterre under the number 319 632 790