

SYNOLAC® 75 ND 64

COIL COATINGS

ARKEMA COATING RESINS

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.

Performance Benefits

- Excellent colour and gloss retention
- Good mechanical resistance

Polymer Type

- Solventborne Polyester

Sales Specifications

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

Other Characteristics¹

Volatile	Aromatic solvent (boiling range 175°C - 215°C)
Flash point, °C (ISO 3679)	55
Density / Specific Gravity at 20°C, g/ml (ISO 2811)	1.08
Hydroxyl Value, mg KOH/g	30

Note: Acid value and/or Hydroxyl value quoted relative to solid resin

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

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 naphta 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) Cytec, (2) Bayer MaterialScience, (3) Dow, (4) DSM NeoResins

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & 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.

Under the above mentioned storage conditions the shelf life of the resin will be 6 months from the shipping date.

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See SDS for Health & Safety Considerations.

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