

TECHNICAL DATA SHEET

SYNOLAC® E1732 NG 65

Oil free polyester

PRODUCT APPLICATION DETAILS

SYNOLAC® E1732 NG 65 is a saturated polyester recommended for the formulation of cost effective coil and metal packaging coatings.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C)	64 - 66 %	ISO 3251
Viscosity (25°C)	3300 - 3900 mPa.s	ISO 3219
Color	3 max Gardner	ISO 4630
Acid value	2 - 10 mg KOH/g	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Aromatic solvent (boiling range 155°C - 181°C) / butyl glycol	-
Flash point	40 °C	ISO 3679
Density	1.09 g/ml	ISO 2811
Hydroxyl equivalent weight	150	-

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

PERFORMANCE BENEFITS

- Capability of curing at high line speeds
- Good weatherability with good flexibility
- Good gloss and good flow

SYNOLAC® E1732 NG 65

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

SYNOLAC® E1732 NG 65 based coatings should be modified with hexamethoxymethylmelamine at a resin solids ratio of between 80:20 and 90:10 polyester:amino resin. A typical curing schedule is 2 minutes at 260°C peak metal temperature. The addition of a catalyst such as Nacure® 3525 ⁽¹⁾ at 0.1-0.2% can assist in increasing cure rate. The use of hexamethoxymethylmelamine (HMMM) at 80:20 polyester:amino resin solids ratio can be used for low temperature curing (eg. 20 min at 120°C metal temperature).

Notes: ⁽¹⁾ King Industries

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® E1732 NG 65 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.

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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.

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