

## TECHNICAL DATA SHEET

# SYNOLAC® 9666 S 70

*Oil free polyester*

### PRODUCT APPLICATION DETAILS

SYNOLAC® 9666 S 70 is a saturated polyester recommended used in the coil coating industry for cost effective backers and exterior topcoats.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (150°C)	69 - 71 %	ISO 3251
Viscosity (25°C)	2500 - 3000 mPa.s	ISO 3219
Color	4 max Gardner	ISO 4630
Acid value	10 max mg KOH/g	ISO 2114

### OTHER CHARACTERISTICS<sup>1</sup>

	CHARACTERISTICS	METHODS
Solvent	Aromatic solvent (boiling range 155°C - 181°C) / butyl glycol	-
Flash point	41 °C	ISO 3679
Density	1.08 g/ml	ISO 2811
Hydroxyl equivalent weight	50	-

<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
  - General Industry

### PERFORMANCE BENEFITS

- Capability of curing at high line speeds
- Good flexibility
- Good gloss
- Good flow
- High Yield

# SYNOLAC® 9666 S 70

## FORMULATION GUIDELINES

### RECOMMENDATIONS FOR USE

SYNOLAC® 9666 S 70 based coatings should be modified with hexamethoxymethylmelamine (HMMM) at a resin solids ratio of between 80:20 and 90:10 polyester:amino resin. A typical curing schedule is 30-60 seconds at 230-240°C peak metal temperature.

The temperature and times will vary according to the type and gauge of the metal substrate being used.

The addition of a catalyst such as Nacure® 3525 <sup>(1)</sup> at 0.1-0.2% can assist in increasing cure rate.

Notes: <sup>(1)</sup> King Industries

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

SYNOLAC® 9666 S 70 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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