

## TECHNICAL DATA SHEET

# SYNOLAC® 9608 S 65

*Oil free polyester*

### PRODUCT APPLICATION DETAILS

SYNOLAC® 9608 S 65 is a saturated polyester recommended for the formulation of high quality and cost effective backers for coil coating applications.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (150°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 CHARACTERISTICS<sup>1</sup>

	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	-

<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

### PERFORMANCE BENEFITS

- High reactivity
- Capability of curing at high line speeds
- Excellent adhesion to polyurethane foam
- Excellent corrosion resistance
- Good weatherability with good flexibility
- Good gloss and good flow

# SYNOLAC® 9608 S 65

## FORMULATION GUIDELINES

### RECOMMENDATIONS FOR USE

SYNOLAC® 9608 S 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 around 45 to 75 seconds at 230-240°C peak metal temperature.

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

The use of hexamethoxymethylmelamine at 80:20 polyester:amino resin solids ratio can be used for low temperature curing (eg. 20 mins at 120°C metal temperature).

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

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

SYNOLAC® 9608 S 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.

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

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