

## TECHNICAL DATA SHEET

# SYNOLAC<sup>®</sup> 20108S-65

*Oil free polyester*

### PRODUCT APPLICATION DETAILS

SYNOLAC<sup>®</sup> E20108-65 is a saturated polyester recommended for the formulation of cost effective coil and metal packaging coating applications.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (at 150°C, 1gm, 1hr)	64 - 66 %	ISO 3251
Viscosity (Brookfield Viscometer) (at 25°C)	33 - 39 P	ISO 3219
Color	3 max Gardner	ISO 4630
Acid value	10 max mg KOH/g	ISO 2114

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

	CHARACTERISTICS	METHODS
Volatile	Aromatic solvent 100/Butyl Glycol (70:30)	
Flash point	40 °C	ISO 3679
Density (at 20°C)	1.07 g/ml	ISO 2811
Hydroxyl content	140 - 160 mg KOH/g	

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

<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

- Capable of curing at high line speeds
- Combine good weatherability with good flexibility
- Good adhesion
- Gives good gloss and good flow

# SYNOLAC® 20108S-65

## FORMULATION GUIDELINES

### RECOMMENDATIONS FOR USE

SYNOLAC® E20108-65 is used in the coil coating industry for cost effective backers and exterior topcoats. SYNOLAC® E20108-65 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 2 minutes at 260°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 at 0.1 - 0.2% can assist in increasing cure rate. The use of Beetle BE672 at 80:20 polyester: amino resin solids ratio can be used for low temperature curing (e.g. 20 minutes at 120°C metal temperature)

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

SYNOLAC® 20108S-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 date of manufacturing.  
Shelf Life Durability (Months): 12

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