

TECHNICAL DATA SHEET

SYNOLAC® 20105S-65

Oil free polyester

PRODUCT APPLICATION DETAILS

SYNOLAC® E 20105-65 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	2 max Gardner	ISO 4630
Acid value	10 max mg KOH/g	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Volatile	Aromatic solvent 100/Butyl Glycol (80:20)	
Flash point	38 °C	ISO 3679
Density (at 20°C)	1.06 g/ml	ISO 2811
Hydroxyl content	45 - 55 mg KOH/g	

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

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
 - Protective Coating

PERFORMANCE BENEFITS

- Combine good weatherability with good flexibility
- SST Resistance
- Gives good gloss and good flow
- Good adhesion to PU foam
- Excellent color stability

SYNOLAC® 20105S-65

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

SYNOLAC® E 20105-65 is used in the coil coating industry for cost effective backers and exterior topcoats. SYNOLAC® E 20105-65 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 30 - 60 seconds at 230°C - 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 at 0.1 - 0.2% can assist in increasing cure rate.

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® 20105S-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 (Months): 12

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