

## TECHNICAL DATA SHEET

# SYNOLAC® 9658 S 76

*Oil free polyester*

### PRODUCT APPLICATION DETAILS

SYNOLAC® 9658 S 76 is a high solids oil free polyester for coil coating top coat application and specially designed to achieve a potential saving of 15 % in yield in term of coverage comparing to standard oil free polyester.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content(150°C)	75 - 77%	ISO 3251
Viscosity(25°C)	6000 - 8000mPa.s	ISO 3219
Color	3 maxGardner	ISO 4630
Acid value	3 maxmg KOH/g	ISO 2114

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

	CHARACTERISTICS	METHODS
Solvent	Aromatic solvent (boiling range 155°C - 181°C)	-
Flash point	43°C	ISO 3679
Density	1.07g/ml	ISO 2811
Hydroxyl equivalent weight	65 - 75	-

<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

- Capability of curing at high line speeds
- Good flexibility / hardness
- Good gloss
- Good flow

# SYNOLAC® 9658 S 76

## FORMULATION GUIDELINES

### RECOMMENDATIONS FOR USE

SYNOLAC® 9658 S 76 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.<sup>(1)</sup> King Industries

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

SYNOLAC® 9658 S 76 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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