

# SYNOLAC® 9669 S 66

COIL COATINGS

ARKEMA COATING RESINS

**Product Application details** SYNOLAC® 9669 S 66 is a saturated polyester recommended for the formulation of coil coatings.

## Performance Benefits

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

## Polymer Type

- Solventborne Polyester

## Sales Specifications

Solid Content at 150°C, % (ISO 3251)	65 - 67
Viscosity at 25°C, mPa.s (ISO 3219)	1000 - 1700
Colour, Gardner scale (ISO 4630)	3 max
Acid value, mg KOH/g (ISO 2114)	2 - 4

## Other Characteristics<sup>1</sup>

Volatile	Aromatic solvent (boiling range 155°C - 181°C) / butyl glycol
Flash point, °C (ISO 3679)	45
Density / Specific Gravity at 20°C, g/ml (ISO 2811)	1.11
Hydroxyl Value, mg KOH/g	30

Note: 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

## Formulation Guidelines

### RECOMMENDATIONS FOR USE

SYNOLAC® 9669 S 66 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 (1) at 0.1-0.2% can assist in increasing cure rate.

Notes: (1) King Industries

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**Product Safety**

Please refer to the corresponding Safety Data Sheet.

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**Storage & Handling**

SYNOLAC® 9669 S 66 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 6 months from the shipping date

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