SYNOLAC® 9677 S 50

COIL COATINGS / CAN COATINGS

ARKEMA COATING RESINS

Product Application details

SYNOLAC® 9677 S 50 is an oil free polyester for can coating application. SYNOLAC® 9677 S 50 is specially designed for use in metallographic white base coat and OPV enamels.

Performance Benefits

- Good flexibility / hardness
- Gooresistance to sterilization processes
- Good Outdoor durability

Polymer Type

- Solventborne Polyester

Sales Specifications

Solid Content at 150°C, % (ISO 3251)	49 - 51
Viscosity at 23°C, mPa.s (ISO 3219)	2000 - 3000
Colour, Gardner scale (ISO 4630)	3 max
Acid value, mg KOH/g (ISO 2114)	2 - 5

Other Characteristics[1]

Volatile	Aromatic solvent (boiling range 155°C - 181°C)
Flash point, °C (ISO 3679)	65
Density / Specific Gravity at 20°C, g/ml (ISO 2811)	1,02
Hydroxyl Value, mg KOH/g	55 - 65

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

1 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® 9677 S 50 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 8-10 seconds at 180-200°C peak metal temperature.
The temperature and times will vary according to the sequence of application.

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

(1) King Industries

SYNOLAC®

Product Safety	Please refer to the corresponding Safety Data Sheet.
Storage & Handling	SYNOLAC® 9677 S 50 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

Arkema Coating Resins
420, rue d'Estienne d'Orves
92705 Colombes Cedex - France
arkema.com - **arkemacoatingresins.com**