

# SYNOLAC® 691 SD 60

COIL COATINGS / CAN COATINGS

ARKEMA COATING RESINS

## Product Application details

SYNOLAC® 691 SD 60 is a high molecular weight thermoplastic saturated polyester, with improved resistance to crystallisation in solution with aromatic solvents.

SYNOLAC® 0691 SD 60 is recommended for manufacture of high reactive and elastic coil coatings top coats with good resistance to ageing, high quality base coatings with excellent mechanical properties and good chemical resistance, white enamels for collapsible tubes and spraying bottles.

## Polymer Type

- Solventborne Polyester

## Sales Specifications

Solid Content at 150°C, % (ISO 3251)	59 - 61
Viscosity at 25°C, mPa.s (Brookfield SC4-25/13R, 13.2s-1) (ISO 3219)	2500 - 3200
Colour, Gardner scale (ISO 4630)	2 max
Acid value, mg KOH/g (ISO 2114)	2.5 - 5.0

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

Volatile	Aromatic solvent (boiling range 175°C - 215°C) / butyl glycol
Flash point, °C (ISO 3679)	59
Density / Specific Gravity at 20°C, g/ml (ISO 2811)	1.07
Hydroxyl Value, mg KOH/g	25

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

In combination with adequate amino resins allows the formulation of enamels with high resistance to mechanical process (metal stamping and crushability at low temperatures). It presents excellent adherence on metallic substrates, high yellowing resistance and exterior durability.

Good sterilisation resistance depending on stoving conditions and cross-linking resins.

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**Product Safety**

Please refer to the corresponding Safety Data Sheet.

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**Storage & Handling**

SYNOLAC® 691 SD 60 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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