

SYNOLAC® 9658 S 76

(FORMERLY E 20958)

COIL COATINGS

ARKEMA COATING RESINS

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.

Performance Benefits

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

Polymer Type

- Solventborne Polyester

Sales Specifications

(provisional*)

| | |
|--------------------------------------|-------------|
| Solid Content at 150°C, % (ISO 3251) | 75 - 77 |
| Viscosity at 25°C, mPa.s (ISO 3219) | 6000 - 8000 |
| Colour, Gardner scale (ISO 4630) | 3 max |
| Acid value, mg KOH/g (ISO 2114) | 3 max |

* These specifications are subject to change in the light of manufacturing experience, up to the point of full commercialisation

Other Characteristics¹

| | |
|---|--|
| Volatile | Aromatic solvent (boiling range 155°C - 181°C) |
| Flash point, °C (ISO 3679) | 43 |
| Density / Specific Gravity at 20°C, g/ml (ISO 2811) | 1.07 |
| Hydroxyl Value, mg KOH/g | 65 - 75 |

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

(1) King Industries

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & 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 6 months from the shipping date

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