

TECHNICAL DATA SHEET

SYNOLAC® 9635 SD 65

Oil free polyester

PRODUCT APPLICATION DETAILS

SYNOLAC® 9635 SD 65 is a saturated, aliphatic-based polyester recommended for the formulation of highly durable coil coatings destined for extensive exterior exposure under harsh climatic conditions.

SALES SPECIFICATIONS

| | CHARACTERISTICS | METHODS |
|-----------------------|-------------------|----------|
| Solid content (150°C) | 64 - 66 % | ISO 3251 |
| Viscosity (25°C) | 1500 - 2500 mPa.s | ISO 3219 |
| Color | 3 max Gardner | ISO 4630 |
| Acid value | 3 max mg KOH/g | ISO 2114 |

OTHER CHARACTERISTICS¹

| | CHARACTERISTICS | METHODS |
|----------------------------|---|----------|
| Solvent | Aromatic solvent (boiling range 175°C - 215°C) / butyl glycol | - |
| Flash point | 56 °C | ISO 3679 |
| Density | 1.06 g/ml | ISO 2811 |
| Hydroxyl equivalent weight | 35 | - |

¹The 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 gloss and good flow
- Good flexibility
- Good adhesion to aluminium
- Exceptional exterior durability under harsh conditions with dark colours

SYNOLAC® 9635 SD 65

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

SYNOLAC® 9635 SD 65 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 1 minute at 315°C to have peak metal temperature at 232°C.

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® 9635 SD 65 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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