

TECHNICAL DATA SHEET

SYNOLAC® 9689 SD 65

Oil free polyester

PRODUCT APPLICATION DETAILS

SYNOLAC® 9689 SD 65 is a cycloaliphatic oil free polyester for coil coating application. SYNOLAC® 9689 SD 65 is specially designed to be used in top coat formulation with very good external durability offering better coverage on coil coating lines.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (150°C)	64 - 66 %	ISO 3251
Viscosity (Brookfield SC4-21/13R, 19s-1) (25°C)	2000 - 4000 mPa.s	ISO 3219
Color	3 max Gardner	ISO 4630
Acid value	3 max mg KOH/g	ISO 2114
Hydroxyl value	50 - 70	ISO 4629

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Aromatic solvent (boiling range 175°C - 215°C) / butyl glycol	-
Flash point	59 °C	ISO 3679
Density	1.06 g/ml	ISO 2811

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
 - Protective And Marine Coating

PERFORMANCE BENEFITS

- Good flexibility / hardness
- Very good durability
- Offer a very good coverage with COV balance reduction

SYNOLAC® 9689 SD 65

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

SYNOLAC® 9689 SD 65 should be crosslinked with hexamethoxymethylmelamine (HMMM) at a resin solids ratio of between 80:20 and 85:15 polyester:amino resin or with blocked isocyanates.
The addition of anti UV agent is recommended to get to optimum durability.

Typical curing schedule is 20 to 30 seconds at 232°C peak metal temperature.
The temperature and times will vary according to the sequence of application.

COMPATIBILITY

SYNOLAC® 9689 SD 65 is compatible with hexamethoxymethyl-melamine, blocked isocyanates, aromatic and glycol type solvents.

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® 9689 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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