

TECHNICAL DATA SHEET

SYNOLAC® 9688S65 MY

Oil free polyester

PRODUCT APPLICATION DETAILS

SYNOLAC® 9688S65 MY 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 (125°C, %)	64 - 66	ISO 3251
Viscosity (25°C, Gardner)	Z2 - Z3Z4	Gardner-Holdt
Color (Gardner)	Max. 3	ASTM D-1544
Acid value (mg KOH/g)	2 - 5	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Aromatic 150	-
Density (25°C, g/mL)	1.06	-
Hydroxyl content (mg KOH/g)	50-60	-

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

- High cure response
- Capability of curing at high line speeds
- Good gloss and good flow
- Good hardness
- Good resistance to dirt pick-up
- Good flexibility
- Good adhesion to aluminium
- Exceptional exterior durability under harsh conditions with dark colours

SYNOLAC® 9688S65 MY

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

SYNOLAC® 9688S65 MY 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, although lower cure temperatures are possible. SYNOLAC® 9688S65 MY can also be used in combination with blocked isocyanates.

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® 9688S65 MY should be stored indoors in the original, unopened and undamaged container, in a dry place at a temperature not exceeding 35°C. Exposure to direct sunlight should be avoided. In the above mentioned storage conditions the shelf life of the resin will be 12 months.

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