

TECHNICAL DATA SHEET

SYNOLAC® 9605S65 MY

Oil free polyester

PRODUCT APPLICATION DETAILS

SYNOLAC® 9605S65 MY is a saturated polyester recommended for the coil coating industry for cost effective backers and exterior topcoats.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C, %)	64 - 66	ISO 3251
Viscosity (25°C, Gardner)	Z+ - Z1	Gardner-Holdt
Color (Gardner)	Max. 2	ASTM D-1544
Acid value (mg KOH/g)	Max. 10	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Aromatic 100	-
Density (25°C, g/mL)	1.06	-
Hydroxyl content (%)	1.5	-

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
 - General Industry

PERFORMANCE BENEFITS

- Capable of curing at high line speeds
- Combines good weatherability with good flexibility
- Gives good gloss and good flow
- Excellent colour stability
- Good adhesion to PU foam
- Excellent corrosion resistance

SYNOLAC® 9605S65 MY

FORMULATION GUIDELINES

SYNOLAC® 9605S65 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 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.

Notes: ⁽¹⁾ King Industries

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® 9605S65 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.

Arkema Coating Resins Malaysia
PLO 491, Jalan Keluli, Pasir Gudang
Industrial Estate, 81700 Pasir Gudang,
Johor – Malaysia
T +60 7 253 6688

Headquarter: Arkema France
420, rue d'Estienne d'Orves
92705 Colombes Cedex – France
T +33 (0)1 49 00 80 80

Disclaimer - Please consult Arkema's disclaimer regarding the use of Arkema's products on <https://www.arkema.com/global/en/products/product-safety/disclaimer/> which is incorporated herein by reference and made a part hereof.

Arkema France, a French société anonyme registered at the Trade and Companies Register of Nanterre under the number 319 632 790