

TECHNICAL DATA SHEET

SYNOLAC® 810AG

Oil free polyester

PRODUCT APPLICATION DETAILS

SYNOLAC® 810AG is an oil-free polyester developed for quality finishes for metal decorating and coil coating applications. It has excellent flexibility and good deep drawn property for metalgraphic and industrial packaging coatings application.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content(125°C, %)	59 - 61	ISO 3251
Viscosity(25°C, Gardner)	Z4-(Z5+)	Gardner-Holdt
Color(Gardner)	Max. 4	ASTM D-1544
Acid value(mg KOH/g)	Max. 10	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Aromatic 150	-
Density(25°C, g/mL)	1.05	-
Hydroxyl content(%)	0.8	-

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
 - Packaging Coating Metal (Can And Others)

PERFORMANCE BENEFITS

- Good flexibility
- Good forming property
- Good adhesion
- Deep drawing performance
- Low bake system

SYNOLAC® 810AG

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

SYNOLAC® 810AG should be used with a suitable methylated melamine resin in the ratio of 80:20 to 85:15 based on solid resins.
The addition of a catalyst such as Nacure 2500 (King Industries) at 0.1 – 0.2% can assist in increasing cure rate.

SOLUBILITY

Glycol Ether Ester — Complete
Glycol Ether — Complete
Aromatic hydrocarbon — Complete

COMPATIBILITY

Butylated Melamine Resins — Very Good
HMMM Resins — Very Good
Benzoguanamine Resins — Fair

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® 810AG 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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