

## TECHNICAL DATA SHEET

# SYNOLAC® 9688 SD 65 NA

*Oil free polyester*

### PRODUCT APPLICATION DETAILS

SYNOLAC® 9688 SD 65 NA 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    | 64 - 66 %       |         |
| Viscosity (25°C) | 1300 - 2800 cP  |         |
| Color            | 3 max Gardner   |         |
| Acid value       | 3 max mg KOH/g  |         |

### OTHER CHARACTERISTICS<sup>1</sup>

|                            | CHARACTERISTICS                                               | METHODS |
|----------------------------|---------------------------------------------------------------|---------|
| Solvent                    | Aromatic solvent (boiling range 175°C - 215°C) / butyl glycol | -       |
| Flash point                | 55 °C                                                         |         |
| Density                    | 8.8 lbs/gal                                                   |         |
| Hydroxyl equivalent weight | 50 - 60                                                       | -       |

<sup>1</sup>The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications

### MARKETS & APPLICATIONS

#### 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® 9688 SD 65 NA

## FORMULATION GUIDELINES

### RECOMMENDATIONS FOR USE

SYNOLAC® 9688 SD 65 NA is the North American manufactured version of SYNOLAC® 9688 SD 65. SYNOLAC® 9688 SD 65 NA 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® 9688 SD 65 NA can also be used in combination with blocked isocyanates.

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

SYNOLAC® 9688 SD 65 NA - Packaged products should be stored in a dry indoor location. The material should be stored in the original, unopened and undamaged container at storage temperatures not exceeding 85° F (30° C). Exposure to direct sunlight should be avoided. For assistance with the best practices for bulk shipment storage and handling contact Arkema.

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