

TECHNICAL DATA SHEET

SYNOCRYL® 829S-60

Thermoset acrylic

PRODUCT APPLICATION DETAILS

SYNOCRYL® 829S-60 is hydroxyl functional thermosetting acrylic resin developed for use in low bake stoving system for auto body paints and lacquers.

SYNOCRYL® 829S-60 is recommended for the development of the acrylic based OEM, Industrial and vehicle refinish applications having excellent Petrol and oil resistance.

Particular performance characteristics achieved with SYNOCRYL® 829S-60 include:

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (at 125°C, 1gm, 1hr)	58 - 62 %	ISO 3251
Viscosity (at 25°C)	10 - 15. P	ISO 3219
Color	1 max Gardner	ISO 4630
Acid value	15 -20 max mg KOH/g	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Volatile	Xylene / Cellosolve Acetate	
Flash point	31 °C	ISO 3679
Density (at 20°C)	1 g/ml	ISO 2811
Hydroxyl content	1.55 %	

Acid value and/or Hydroxyl value quoted relative to solid resin

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
 - General Industry
 - Protective Coating
 - Rigid Packaging Metal (Can & Others)
- Automotive - Oem - Exterior

PERFORMANCE BENEFITS

- Excellent gloss and colour retention
- Excellent durability
- Excellent polishing properties
- Excellent gasoline resistance
- Good adhesion and hardness

SYNOCRYL® 829S-60

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

SYNOCRYL® 829S-60 should be used in conjunction with amino resins to give coatings which cure in 30 minutes at 120 - 130°C. Butylated melamine formaldehyde resin are preferred. Use of 5 - 10% of acid catalyst solution on resin solids can be used to accelerate curing.

SOLUBILITY:

SYNOCRYL® 829S-60 is soluble in aromatic hydrocarbons, esters, ketones and glycol ethers. Limited solubility in alcohol.

COMPATIBILITY:

SYNOCRYL® 829S-60 is compatible with similar grades of thermosetting acrylic resins and all types of etherified amino resins.

SYNOCRYL® 829S-60 should only be used in applications consistent with the above recommendations. Proposals to use the resin in other ways should be discussed with Arkema before any action is taken.

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOCRYL® 829S-60 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 date of manufacturing.

Shelf Life (Months): 12

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