

TECHNICAL DATA SHEET

SYNOCRYL® 873S-45

Thermoplastic acrylic

PRODUCT APPLICATION DETAILS

SYNOCRYL® 873S-45 is a thermoplastic acrylic copolymer possessing the excellent color, gloss retention and good adhesion to plastics, metals, wood and fabrics are the properties of resin.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (at 125°C, 1gm, 1hr)	43 - 47 %	ISO 3251
Viscosity (at 25°C)	10 - 20. P	ISO 3219
Color	1 max Gardner	ISO 4630
Acid value	10 max mg KOH/g	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Volatile	Xylene / Aromatic Solvent 100	
Flash point	27 °C	ISO 3679
Density (at 20°C)	0.97 g/ml	ISO 2811

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 & APPLICATIONS

Coatings & Inks

- Industrial Coating
- General Industry

PERFORMANCE BENEFITS

- Excellent gloss and color retention
- Excellent soap and detergent resistance
- Excellent adhesion on bare metal
- Good compatibility with broad range of resin and plasticizers

SYNOCRYL® 873S-45

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

Water white films are deposited from the resin, and clear or pigmented films possess fast air dry times and are resistant to soaps and detergents. The films are also resistant to degradation when exposed to heat or edging. The versatility of SYNOCRYL® 873S-45 enables it to be used in variety of finishes either as the sole vehicle in clear or pigmented coatings for various plastics, metal, wood and fabrics or as a modifying resin to improve the drying time, durability and resistance properties of other coating systems

SYNOCRYL® 873S-45 is soluble in a range of aromatic hydrocarbons, esters and ketones.

The resin has limited solubility in aliphatic hydrocarbons and alcohols.

SYNOCRYL® 873S-45 is compatible with a range of cellulose esters, vinyl resins and chlorinated SYNOCRYL® 873S-45 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® 873S-45 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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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.

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