



TEXICRYL[®] 13-890

Styrene acrylic copolymer

INTRODUCTION

TEXICRYL 13-890 is a new emulsion polymer designed for high gloss, fast dry, water based overprint varnishes, flexo, gravure, and wet litho applications. This styrene acrylic binder provides superb clarity and water spotting resistance, without sacrificing drying speed.

CHARACTERISTICS

(Not to be taken as a specification)

Solids content	% w/w	48.0-51.0
Appearance		Milky white emulsion
Viscosity at 25°C (Brookfield RV, Spindle 2, 20 rpm)	cps	500 - 1500
pH		8 - 9
Particle Size	nm	90
Relative Density		1.03
Tg	°C / °F	+100 / +212
Emulsifying System		Anionic

APPROVALS

While not being FDA approved in itself, all the constituents of this product comply with FDA 176.170 and 175.105.

APPLICATIONS

Waterbased overprint varnishes over lithographic paste inks.
Flexographic and gravure overprint varnish and ink binder.

TEXICRYL 13-890 offers a unique combination of high gloss with fast dry, enabling maximized press run speeds. It gives a crystal clear dry film improving the depth and intensity of the ink color underneath.

TEXICRYL 13-890 is also compatible with a wide range of fast drying alcohols. Dowanol DPM is particularly effective as a coalescing solvent.

The heat resistance of **TEXICRYL 13-890** (Sentinel 10 psi, 1 second face to jaw 120°C / 248°F) makes it suitable for applications such as embossing or flexographic pre-print inks. Heat resistance can be further enhanced by the addition of zinc ammonium carbonate solution.

With its low odor **TEXICRYL 13-890** is particularly suitable for inks and varnishes used in food packaging where taste and odor pick-up must be eliminated.

TEXICRYL 13-890 is a dispersion of a hard resin which requires the addition of a solvent, plasticizer, or soft polymer for film formation at low temperature. Care must be taken when adding cosolvent; it must be added as the last ingredient, added slowly while stirring to avoid solvent shocking.

For more detailed information please see the Flexible Packaging Notebook (FP01).

PACKAGING

TEXICRYL 13-890 can be supplied in a 460 lb. net weight plastic drum. Bulk delivery by road tanker.

STORAGE

TEXICRYL 13-890 can be stored in the containers in which it is supplied.

Protect from temperatures below 40°F.

HEALTH & SAFETY

Please see separate Material Safety Data Sheet.

3/06

NOTICE

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7/04