

Solicryl F682

Version 2026-10-22c · Revision 2026-10-22

Chemical Group LMW Solid Acrylic Resin

Product Description

SOLICRYL F682 is a low molecular weight range of our solid acrylic resin product line. It is used in high solids water-based overprint varnishes.

Applications

- Used as an extender in water-based overprint varnishes
- Produce high-gloss water-based finishes

Attributes & Benefits

- Excellent gloss
- High solid / low viscosity solutions
- Excellent re-solubility

Typical Solution of SOLICRYL F682

44.0 parts	SOLICRYL F682
13.0 parts	Ammonia 25%
43.0 parts	Water

***pH 8.0 / Viscosity 850 cps

Typical Formulations Using SOLICRYL F682

Formulations:	A	B
Joncryl 8064 (or equivalent)	72.0	----
Joncryl 90 (or equivalent)	----	62.5
SOLICRYL F682	18.0	26.5
Dowanol DPM	----	2.5
Wetting Agent	3.0	3.0
PE Wax Emulsion	5.0	5.0
Defoamer	0.5	0.5
Water	1.5	----

Physical Data

Density (g/cm ³)	1.15
Form of supply	Clear to White Granules
Non-volatile content (%)	>99
Acid value (mg KOH/g)	235
Molecular weight	1800 wt. av.
Glass transition temperature (°C)	55~60

All the information above is based on data obtained at laboratory and is not to be used for certifying the suitability of the product. Users are advised to test the product in their own system before purchase.

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Applications

Inks

Water based

- Recommended
- Limited suitability
- Not recommended

Packaging, Shipping & Storage

Solicryl F682 is supplied as clear to white granules. The product is packed in 25 kg paper bag and shipped on pallets of 750 kg. Store under normal temperatures, dry and protected from weather. Shelf life: 2 years from manufacturing date.

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