

Solicryl F680

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

Chemical Group

MMW Solid Acrylic Resin

Product Description

SOLICRYL F680 is a mid molecular weight range of our solid acrylic resin product line. It is designed to be used as an extender in overprint varnishes and inks and to produce water-based pigment dispersions.

Applications

- Used as an extender in water-based overprint varnishes and inks
- Produce water-based pigment dispersions

Attributes & Benefits

- Excellent transfer and printability
- Good gloss and hold out
- Produces high solid solutions

Typical Solution of SOLICRYL F678

37.0 parts	SOLICRYL F680
9.0 parts	Ammonia 25%
54.0 parts	Water

***pH 8.0 – 8.5 / Viscosity 4000 - 5000 cps

Typical Formulations Using SOLICRYL F680

1. General Purpose OPV

64.5 parts	Joncryl 90 (or equivalent)
24.5 parts	SOLICRYL F680 (solution)
2.5 parts	Dowanol DPM
3.0 parts	Wetting Agent
5.0 parts	PE Wax Emulsion
0.5 parts	Defoamer

Physical Data

Density (g/cm ³)	1.15
Form of supply	Clear to White Granules
Non-volatile content (%)	>99
Acid value (mg KOH/g)	215
Molecular weight	5000 wt. av.
Glass transition temperature (°C)	65~70

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 F680 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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