BASF
The Chemical Company

JONCRYL® 682

Key features and benefits

- high gloss
- high solids/low viscosity solutions
- excellent resolubility

a low molecular weight acrylic resin for use in high solids water-based overprint varnishes

General information

Typical physical characteristics (not to be considered specifications)

appearance	clear solid resin
non-volatile (optimum)	99%
molecular weight (wt. av.)	1,750
acid value (on solids)	238
density at 25 °C (77 °F)	1.15 g/cm^3
glass transition temperature Tg (DSC)	57 °C (135 °F)

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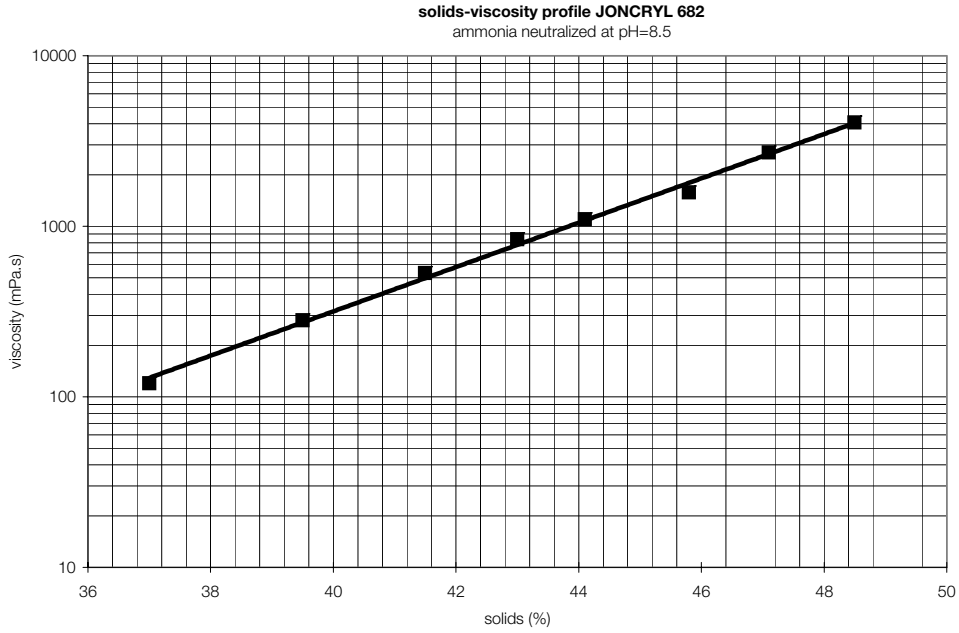
Applications

JONCRYL® 682 is an acrylic resin designed to be used as an extender in water-based overprint varnishes to produce a high gloss finish.

Typical solution of Joncryl® 682

44.0	parts	JONCRYL® 682	
13.0	parts	ammonia 25%	
43.0	parts	water	
100.0	parts		
		pH	8.0
		viscosity mPa.s (25°C Brookfield)	850.0



Typical formulations using JONCRYL® 682

Formulations:	A	B
JONCRYL® 8064	72.0	—
JONCRYL® 90	—	62.5
JONCRYL® 682 solution	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	—
	100.0	100.0

* BASF also offers a full range of wax emulsions and dispersion resins.
For further detailed application information please contact our Technical Support Department.

Safety

When handling these products, advice and information given in the safety data sheet must be complied with. Further, protective and workplace hygiene measures adequate for handling chemicals must be observed.

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

BASF Resins B.V.
P. O. Box
8440 AJ Heerenveen, The Netherlands
Phone +31 513 619 619
Fax +31 513 619 600
resins@basf.com
www.basf.com/resins