BASF
The Chemical Company

JONCRYL® 678

Key features and benefits

- excellent color strength development
- excellent transfer and printability
- good gloss and hold-out

a glycol ether free resin for use in water-based inks and overprint varnishes

General information

Typical physical characteristics (not to be considered specifications)

appearance	clear solid resin
non-volatile (optimum)	99%
molecular weight (wt. av.)	8,500
acid value	216
density at 25 °C (77 °F)	1.10 g/cm^3
glass transition temperature Tg (DSC)	101 °C (214 °F)

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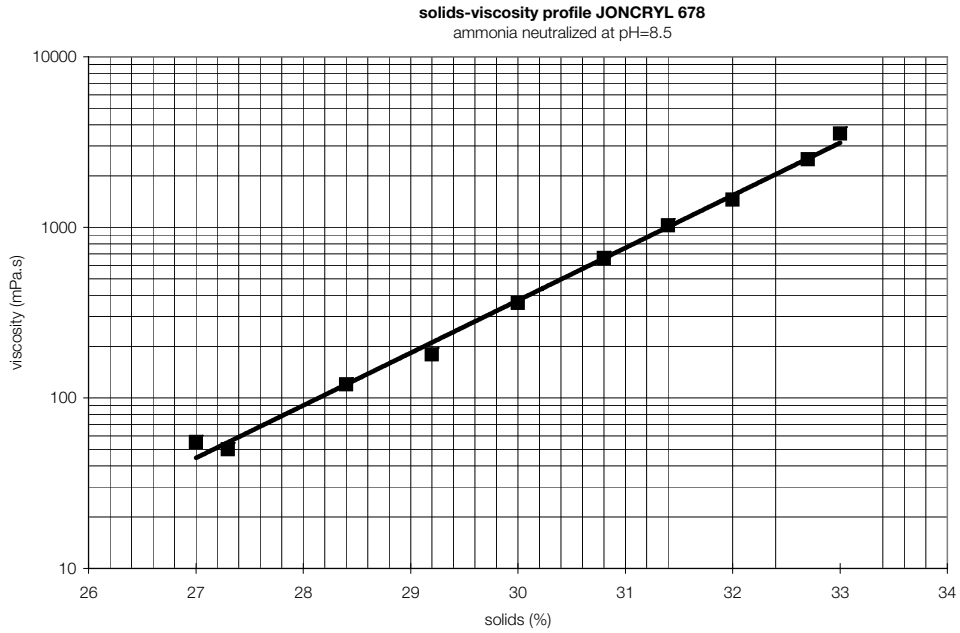
Applications

JONCRYL® 678 is an acrylic resin designed to be used as an extender in overprint varnishes and inks and to produce water-based pigment dispersions. As an extender it provides improved transfer and resolubility, as a dispersion resin it provides good wetting properties for the manufacture of stable pigment dispersions.

Typical solution of JONCRYL® 678

32.0	parts	JONCRYL® 678	
8.9	parts	ammonia 25%	
59.1	parts	water	
100.0	parts		
		pH	8.3
		viscosity mPa.s (25°C Brookfield)	1750.0



Typical formulations using JONCRYL® 678

general purpose OPV

62.5	parts	JONCRYL® 90
26.5	parts	JONCRYL® 678 solution
2.5	parts	Dowanol DPM
3.0	parts	wetting agent
5.0	parts	PE wax emulsion*
0.5	parts	defoamer
100.0	parts	

pigment concentrate

34.0	parts	JONCRYL® 678 solution
35.0	parts	organic pigment
3.0	parts	wetting agent
1.0	parts	defoamer
30.0	parts	water
100.0	parts	

printing ink for paper/paperboard

43.0	parts	pigment concentrate*
10.0	parts	JONCRYL® 678 solution
40.0	parts	JONCRYL® 77
0.5	parts	defoamer
5.0	parts	PE wax emulsion*
1.5	parts	water
100.0	parts	

* 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.

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