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We create chemistry

Joncryl® 661

general	an acrylic colloidal emulsion for use in inks for pre-print and post-print corrugated board and kraft paper applications
key features & benefits	good transfer and printability excellent hot mar resistance low cost in use
chemical nature	acrylic colloidal emulsion

Properties

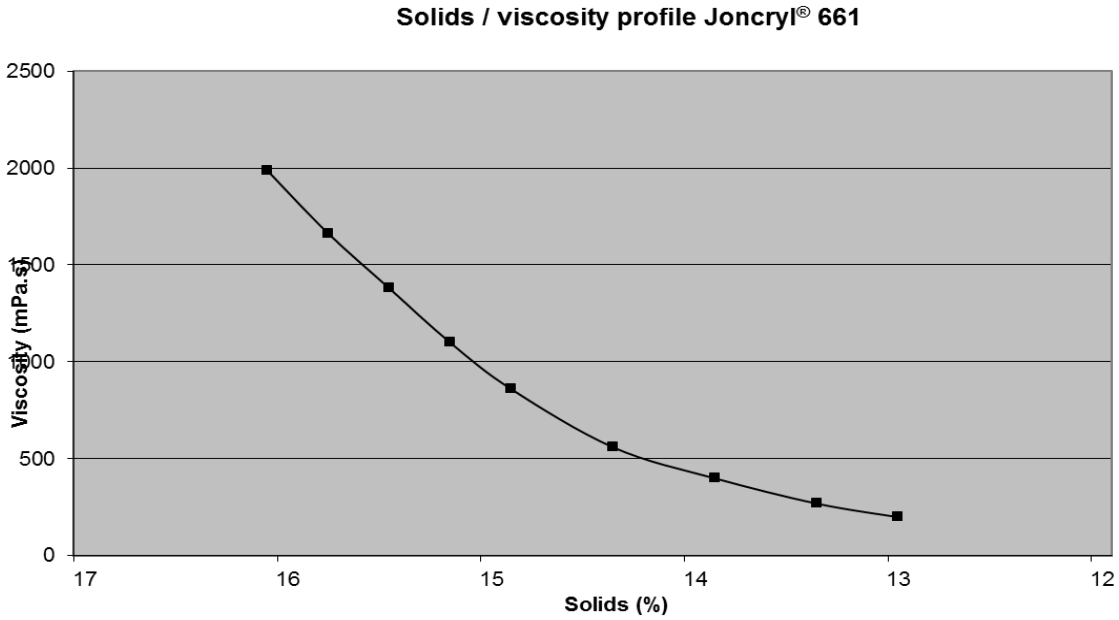
appearance semi-translucent emulsion

typical characteristics
(should not be interpreted as specifications)

non-volatile	44 %
molecular weight (wt. av.)	85,000
Brookfield viscosity at 25 °C	60 mPa.s
pH	2.1
acid value (on solids)	154
density at 25 °C	1.07 g/cm³
glass transition temperature Tg (DSC)	70 °C
freeze/thaw-stable	no

Application

Joncryl® 661 has been developed for use in inks for both pre-print and post-print corrugated board and kraft paper applications. It allows ink formulators to formulate at lower resin solids, leading to improved economics and efficiency.


Solids / viscosity profile Joncryl® 661
2500
2000
1500
1000
500
0
Viscosity (mPa.s)
17
16
15
14
13
12
Solids (%)

Typical formulations using Joncryl® 661

neutralized letdown solution

32.3	parts	Joncryl® 661	
2.4	parts	MEA	
65.3	parts	water	
100.0	parts		
		viscosity mPa.s (25°C Brookfield)	± 500
		pH	8.7

flexographic ink for corrugated board and kraft paper substrates

37.0	parts	pigment concentrate*
50.0	parts	Joncryl® 661 letdown varnish
5.0	parts	PE wax emulsion*
0.5	parts	defoamer
7.5	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 this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

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. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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