

JONCRYL® 611

Key features and benefits

- high color strength development
- excellent flow at high pigment loadings
- compatible with many other solvent soluble resin systems
- soluble in esters, ester/alcohol mix, ketones and aromatic hydrocarbons

an acrylic resin for use in solvent-based inks

General information

Typical physical characteristics (not to be considered specifications)

appearance	clear solid resin
non-volatile	99%
molecular weight (wt. av.)	8,150
acid value	53
density at 25 °C (77 °F)	1.10 g/cm ³
glass transition temperature Tg (DSC)	60°C (140 °F)
viscosity in Toluene (40%)	150 mPa.s
viscosity in Toluene (60%)	2,500 mPa.s

Applications

JONCRYL® 611 is developed exclusively for solvent-based systems and provides excellent pigment wetting and dispersion characteristics.

JONCRYL® 611 solvent compatibility

solvents	appearance	%NV	viscosity (mPa.s.)
methyl ethyl ketone	s	40	10
methyl isobutyl ketone	s	40	10
acetone	s	40	10
xylene	s	40	190
1,1 trichloroethane	s	40	1,025
ethyl acetate	s	40	20
iso-propyl acetate	s	40	20
n-propyl acetate	s	40	40
ethanol	is	40	-
iso-propanol	is	40	-
n-propanol	sh	40	110
ethanol/ethyl acetate (1:4)	s	40	20
ethanol/ethyl acetate (2:3)	s	40	25
ethanol/ethyl acetate (3:2)	s	40	30
ethanol/ethyl acetate (4:1)	is	40	-
n-propanol/n-propyl acetate 80/20	s	50	50
n-propanol/n-propyl acetate 90/10	sh	40	58
n-propanol/n-propyl acetate 90/10	sh	40	62
toluene	s	40	150

s = soluble
 Is = insoluble
 Sh = slightly hazy

Typical formulations using JONCRYL® 611

ink formulation

15.0 parts	phthalocyanine blue pigment
74.2 parts	resin solution (A)
2.0 parts	micronized polyethylene wax
3.5 parts	ethyl acetate
3.5 parts	iso-propyl acetate
1.8 parts	toluene
100.0 parts	

resin solution

40.0 parts	JONCRYL® 611
24.0 parts	iso-propyl acetate
24.0 parts	ethyl acetate
12.0 parts	toluene
100.0 parts	

For further detailed application information please contact our Technical Service 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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