



Product Data Sheet

NeoCryl® A-1091

NeoCryl® A-1091 is a modified styrene copolymer dispersion for use in Over Print Varnish and water based Liquid Inks with excellent printability and transparency. NeoCryl® A-1091 is free of glycol ethers and contains less than 0.1% of organic solvent, giving the opportunity to formulate low odour and low VOC printing inks and OPV's.

Delivery form: 45 % solids in water.

Product characteristics

- Type - Anionic, modified styrene dispersion
 Neutralising agent - Ammonia
 Freeze/thaw stability - Stable

Film properties

- High gloss, clear and transparent
- High heat resistance
- Hard and block resistant
- Good release of film wrappings
- Ultra low odour and taint impact in packaging applications

Recommendations for end-use

- Overprint varnishes and inks
- Inks and topcoats for pre-print applications
- Let down vehicle for gloss and hardness improvement

Formulating guidelines

- NeoCryl® A-1091 is a non-film forming dispersion at room temperature
- To achieve low VOC OPV's and Inks, optimal film formation can be obtained by addition of low MFT acrylic emulsions or solutions

Regulatory data sheet / Food contact

Specific information on compliance to food contact regulations is detailed in the regulatory data sheet, available on request.

Product specifications

Property	Range	Unit	GAP
Appearance	hazy white liquid		0059
Total solids w/w	44 - 46	%	0001
pH	8.1 - 8.5		0016
Visc. Brookfield 25°C	100 - 400	mPa.s	0020

Other product data

Property	Value	Unit	GAP
MFFT	> 80	°C	0011
Density 20°C	± 1.04	kg/l	0006
Free monomer	Max. 500	ppm	0118
VOC (theoretical)	< 0.1	%	
Acid value (on solid)	± 62	mgKOH/g	0095
Preservative(s):			
BIT (casno. 2634-33-5)	0.027	%	0222

Test methods

Test methods (GAP) referred to in the table(s) are available on request.

Storage guidelines

The resin should be stored indoors in original, unopened, undamaged container in a dry place at storage temperature between 5- 40 °C. Exposure to direct sunlight should be avoided.

Shelf life

Under above mentioned storage conditions, the shelf life of the resin will be 12 months ex work.

Material safety

A Material Safety Data Sheet for this product is available on request.

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