



## Product Data Sheet

### NeoCryl® B-814

NeoCryl® B-814 is a solid acrylic copolymer with high ethanol tolerance for use in flexo printing inks with fast solvent release and wide adhesion characteristics

Delivery form: 100 % solid beads.

#### Product characteristics

Type - EA/MMA/EMA copolymer  
Average Mw - 45,000

#### Film properties

- Clear, non blocking, tough and flexible
- Low solvent retention
- Adhesion to flexible films such as cellophane and PVC
- Good gloss

#### Recommendations on formulation and use

- Flexo printing inks for packaging applications
- Low odour, fast drying overprint varnishes
- Heat sealable film coatings
- Coatings for solvent sensitive plastics such as PS foam

#### Formulating guidelines

- NeoCryl® B-814 is soluble in esters, ketones and aromatics and ethanol compatible in the presence of a small quantity of primary solvent
- Broad compatibility with plasticizers, NC, CAP and other alcohol soluble resins
- See our guide formulations for specific information

#### 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	White, free flowing beads		0059
Total volatile	Max. 1.0	%	0025
Visc. Brookfield 25°C 30% in ethanol/water	125 - 225	mPa.s	0020
Visc. Brookfield 25°C 30% in MEK/EtAc (1:1)	35-50	mPa.s	0020

#### Other product data

Property	Value	Unit	GAP
Density 20 °C	± 1.16	kg/l	0006
Free monomer	Max. 2000	ppm	1118
Tg (DSC, °C)	± 52	°C	1140
Softening point R&B	± 135	°C	1501
Acid value	± 10	mgKOH/g	0095

#### 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 24 months ex work.

#### Material safety

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