



## Product Data Sheet

### NeoCryl<sup>®</sup> B-810

NeoCryl<sup>®</sup> B-810 is a solid methacrylic copolymer with easy solubility and broad compatibility for use in low residual odour printing inks and coatings and energy curable printing inks.

Delivery form: 100% solid beads.

#### Product characteristics

- Type - BMA/MMA copolymer
- Average MW - 54,000

#### Film properties

- Very fast solvent release, low residual odour
- Good adhesion to plastic films
- Adequate heat-seal resistance
- Improved outdoor durability when used in UV curable inks

#### Recommendations for end-use

- Low odour gravure inks for food packaging
- Screen printing inks
- Energy curable printing inks
- Plastic coatings
- Ceramic coatings

#### Formulating guidelines

- NeoCryl<sup>®</sup> B-810 is soluble in esters, ketones and aromatics and has only limited compatibility with lower alcohols such as methanol and ethanol
- Broad compatibility with other acrylics, NC, CAP, vinyl's and chlorinated rubbers
- NeoCryl<sup>®</sup> B-810 is soluble in various acrylate functional monomers, e.g. HDDA, TPGDA, TMPTA
- See our guide formulations for specific information

#### Product specifications

Property	Range	Unit	GAP
Appearance	white, free flowing beads		0059
Total volatile w/w	Max. 1.0	%	0025
Visc. Brookfield 25°C 40 % in ethylacetate	350 - 450	mPa.s	0020

#### Other product data

Property	Value	Unit	GAP
Density 20°C	± 1.11	kg/l	0006
Free monomer	Max. 2000	ppm	0118
VOC (theoretical)	± 0.08	%	
Softening point R&B	± 155	°C	1501
Tg (DSC)	± 59	°C	1140
Acid value (on solid)	± 7	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.

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