



## Product Data Sheet

### NeoCryl<sup>®</sup> B-811

NeoCryl<sup>®</sup> B-811 is a solid methacrylic homopolymer with excellent chemical resistance for use in coatings, lacquers and inks.

Delivery form: 100 solid beads.

#### Product characteristics

Type - MMA homopolymer  
Average mol. weight - 40,000

#### Film properties

- Clear, hard and brittle
- Plasticizer, oil and grease resistant
- Alcohol and petrol resistant
- High temperature resistant

#### Recommendation for end-use

- Plastic coatings (e.g. for consumer electronics and automotive interior)
- Vinyl coatings
- Gravure and screen printing inks
- Vacuum metalizing applications such as hot stamping

#### Formulating guidelines

- NeoCryl<sup>®</sup> B-811 is soluble in esters, ketones and aromatics at room temperature provided that sufficient shear is applied
- Compatible with plasticizers, vinyl, NC, CAB and other acrylics such as NeoCryl<sup>®</sup> B-805
- For optimal results NeoCryl<sup>®</sup> B-811 should be combined with some plasticizing component
- 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 25 % w/w in MEK	20 - 40	mPa.s	0020

#### Other product data

Property	Value	Unit	GAP
Density 20°C	± 1.18	kg/l	0006
Free monomer	Max. 2000	ppm	0118
Tg (DSC)	± 110	°C	1140
Softening point R&B	± 200	°C	1501
Acid value (on solid)	< 1	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.