



Product Data Sheet

NeoCryl[®] B-811

NeoCryl[®] 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[®] 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[®] B-805
- For optimal results NeoCryl[®] 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.