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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.

Product characteristics

- 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 specification:

Delivery form: 100 solid beads.

Property	Range	Unit	GAP
Appearance	white, free f	lowing beads	0059
Total volatile	Max. 1.0	%	0025
Visc. Brookfield 25°C	20 - 40	mPa.s	0020
25 % w/w in MEK			

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.

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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