



Product Data Sheet

NeoCryl[®] B-810

NeoCryl[®] 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[®] 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[®] 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.

The user is held to check the quality, safety and other properties of the product referred to herein. The information and recommendations in this document are to the best of our knowledge, reliable. However, no rights whatsoever can be derived from this document or the information contained therein by any party, other than those expressly accepted by a selling entity of the Royal DSM group of companies ("DSM Selling Entity") in a binding sale and purchase agreement for product referred to herein. For the avoidance of doubt THE ROYAL DSM GROUP OF COMPANIES MAKE NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR PURPOSE. Unless explicitly agreed to otherwise in writing by the DSM Selling Entity, all offers, quotations, sales and deliveries of DSM products are subject to the General Conditions of Sale of such DSM Selling Entity.