



Product Data Sheet

NeoCryl[®] B-805

NeoCryl[®] B-805 is a solid methacrylic copolymer with good solvent solubility and good chemical resistances for use in coatings, lacquers and inks.

Delivery form: 100 % solid beads.

Product characteristics

Type - MMA/BMA copolymer
Average mol. weight (Mw) - ± 85000

Film properties

- Clear, hard and tough
- Plasticizer resistant
- Adhesion to plastics such as PS, ABS, PVC etc.
- Alcohol and petrol resistant
- Low residual odour

Recommendations for end-use

- Plastic coatings (e.g. consumer electronics and automotive interior)
- Vinyl coatings
- Gravure and screen printing inks

Formulating guidelines

- NeoCryl[®] B-805 is easily soluble in esters, ketones and aromatics
- Compatible with plasticizers, Vinyl, NC, CAB, chlorinated rubber and other acrylics such as NeoCryl[®] B-811
- For fastest solubility we recommend to start with a 40/60 resin/solvent ratio
- 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 % in MEK	60 - 100	mPa.s	0020

Other product data

Property	Value	Unit	GAP
Density 20°C	± 1.16	Kg/L	0006
Free monomer	Max. 3000	ppm	0118
VOC (theoretical)	± 0.06	%	
Flash Point CC	± 190	°C	1113
Tg (DSC)	± 99	°C	1140
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.

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.

This document has been issued by DSM Coating Resins on behalf of the DSM Selling Entity. For more information: www.dsmcoatingresins.com