DSM BRIGHT SCIENCE. BRIGHTER LIVING.

Product Data Sheet

NeoCryl® B-728

NeoCryl® B-728 is a hard solid acrylic homopolymer with excellent solvent and chemical resistance for use in a wide variety of coating and ink applications.

Delivery form: 100 % solid beads.

Product characteristics

Type

- MMA homopolymer

Average mol. weight (Mw)

- 65000

Film properties

- Very hard and abrasion resistant
- Outdoor durability, heat and moisture resistant
- Oil, fat and petrol resistant and resistant to plasticizer migration

Recommendation for end-use

- PVC coatings and coatings for other plastics
- Car refinishing
- Gravure and screen printing inks

Formulating guidelines

- NeoCryl® B-728 is at 40-50°C soluble in aromatics, esters, ketones and chlorinated solvents.
- Slower evaporating solvents are needed to overcome cob webbing in spray application
- Compatible with plasticizers, NC, vinyl's, thermoplastic acrylics, epoxies and chlorinated rubber
- See our guide formulations for specific information



Property	Range	Unit	GAP
Appearance	clear, free flowing beads		0059
Total volatile	Max. 1.5	%	0025
Visc. Brookfield 25°C	450 - 650	mPa.s	0020
30 % w/w in MEK			

Other product data

	Property	Value	Unit	GAP
	Density 20°C	± 1.19	kg/l	0006
	Free monomer	Max. 2000	ppm	0118
1	VOC (theoretical)	± 0.002	%	
	Tg (DSC)	± 111	°C	1140
	Softening point R&B	> 200	°C	1501
	Acid value (on solid)	± 6.5	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.