



## Product Data Sheet

### NeoCryl® B-890

NeoCryl® B-890 is a solid methacrylic copolymer which can be used in energy curable systems and in solvent based flexo inks. This resin shows excellent solubility in ethanol and in reactive diluents. It can be used in low residual odour printing inks and coatings.

#### Typical properties

|   |                    |
|---|--------------------|
| Type                                      | - modified MMA/BMA |
| Average Mol. weight (Mw)                  | - ± 12,500 Dalton  |
| Viscosity, Brookfield 25°C<br>30% in HDDA | - ± 1300 mPa.s     |

#### Film properties

- Excellent pigment wetting properties
- Good adhesion to difficult substrates
- Low viscosity in ink formulation
- Low residual odour
- Improved outdoor durability when used in energy curable inks

#### Recommendations for end-use

- Energy curable flexo inks for enhanced adhesion
- Solvent based flexo inks for surface printing and laminating properties
- Grinding vehicle for energy curable printing inks

#### Formulating guidelines

- Complete solubility in ethanol
- Soluble in esters and ketones
- Soluble in various acrylate functional monomers, e.g. HDDA, TPGDA, DPGDA and TMPTA
- Compatible with NC, CAP, PVB and PU resins
- See our guidelines for specific information

#### Regulatory

- REACH (EU)
- TSCA (US)
- IECSC (China)
- AICS (Australia)
- PICCS (Philippines)
- ECL (Korea)

Delivery form: 100 % solid beads.

#### Product specifications

| Property   | Range              | Unit  | GAP  |
|--|--------------------|-------|------|
| Appearance   | Free flowing beads |       | 0059 |
| Total volatile   | Max. 2.0           | %     | 0025 |
| Visc. Brookfield 25°C<br>30 % in<br>ethanol/water 94/6 | 25 - 50            | mPa.s | 0020 |

#### Other product data

| Property              | Value     | Unit    | GAP  |
|-----------------------|-----------|---------|------|
| Density 20°C          | ± 1.15    | kg/l    | 0006 |
| Free monomer          | Max. 3000 | ppm     | 0118 |
| Tg (DSC)              | ± 85      | °C      | 1140 |
| Acid value (on solid) | ± 75      | mgKOH/g | 0095 |
| OH value (on solid)   | ± 25      | mgKOH/g | 0091 |

#### 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.

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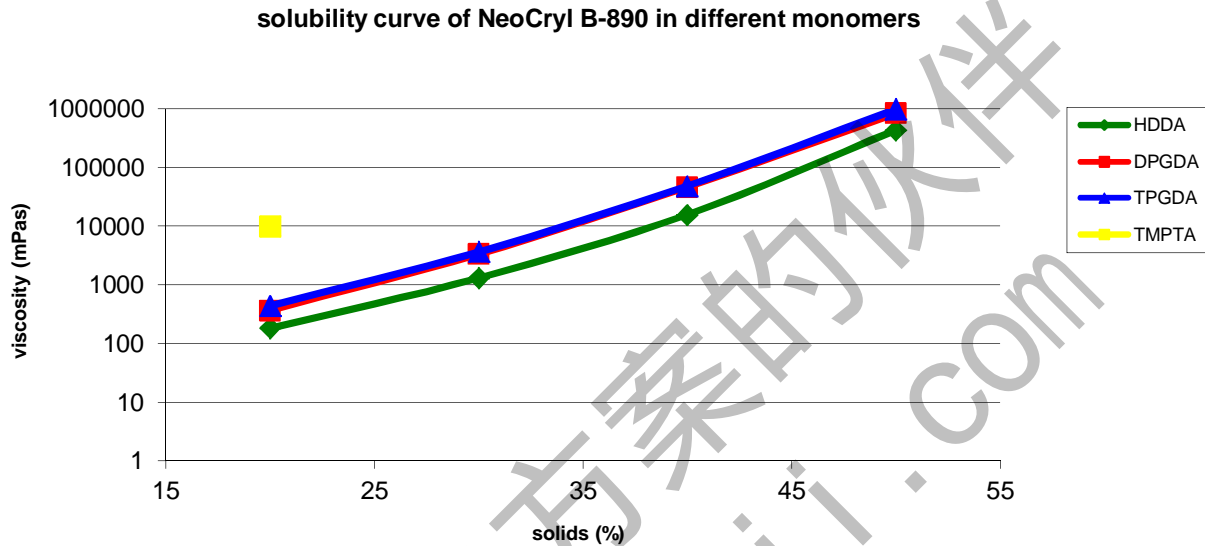
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Viscosity curve



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