

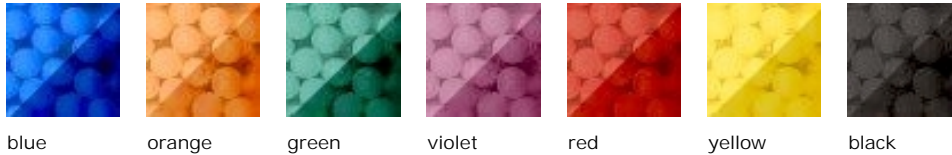
## Technical Data Sheet

02.05

### geniaBeads<sup>®</sup> CA – pigmented alginate beads

#### Product overview

*Regular colors – available in bright and crystal*



*Fluorescent and luminescent pigments*



*Pearlescent effects and metallic pigments*



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*Other colors, e.g. mixtures and special effect colors are available on request.*

#### Available bead sizes

Pigmented geniaBeads<sup>®</sup> CA are available in sizes between 0.2 and 2.5 mm. The standard sizes are 0.5, 1.2, and 2.5 mm – other sizes are possible and available on request.

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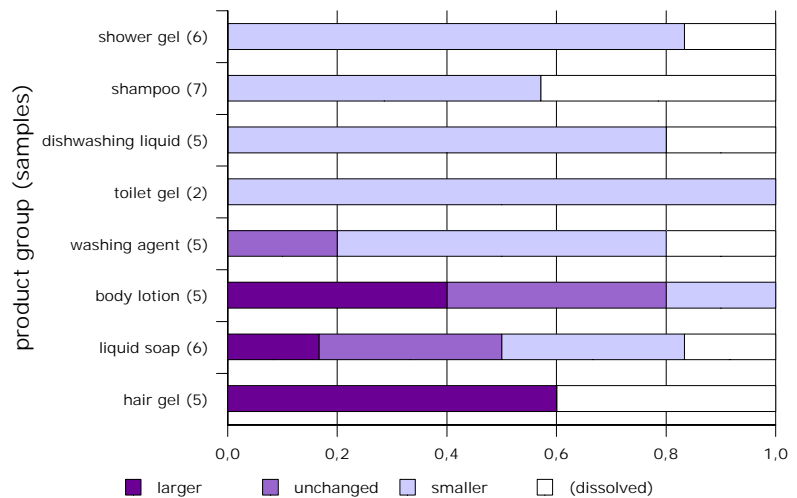
## Applications and mechanical behaviour

Pigmented geniaBeads<sup>®</sup> CA are suited for a wide range of applications, especially for bringing eye-appeal to your product, e.g. home and personal care products, cosmetics, or surface care products. The chemical stability of the material has to be checked individually for any particular application.

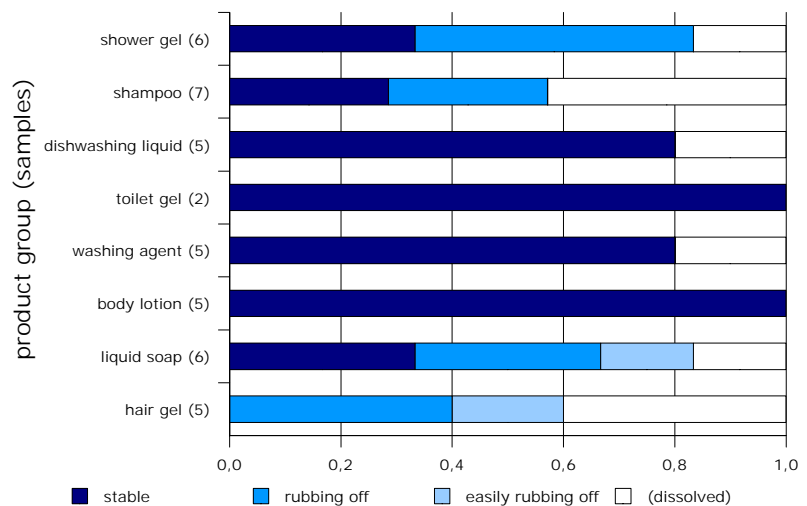
The mechanical behaviour of geniaBeads<sup>®</sup> CA is depending on the chemical composition of the formulation they are used in. This will have influence on the size of the beads by shrinking or swelling, or might alter the inner structure of the beads allowing for easy rubbing off during application.

For several product groups these mechanical properties were tested for geniaBeads<sup>®</sup> CA after several weeks of contact with the particular formulation.

### Size



### Mechanical resistance



### Example

For six different liquid soap products after several weeks of contact with that formulations the size of the beads was larger for one product, unchanged or smaller for two product each. In one product the beads dissolved completely.

## Handling and storage

Pigmented geniaBeads<sup>®</sup> CA usually are supplied in the form of a preserved aqueous slurry of the beads in water. Tightly closed containers (flexible containers or bottles) can be stored at normal ambient temperatures of between 5 and 25°C (41 and 77°F).

Prolonged storage should be done in a refrigerator between 3 and 7°C (37 and 46°F). Freezing and temperatures above 40°C (104°F) have to be avoided. Unopened containers have a shelf-life of 1 year if stored correctly.

## Packaging sizes

Usual package size for pigmented geniaBeads<sup>®</sup> CA are 20 litre flexible containers in card board boxes with 12.5 kg of beads in 4.4 L of storage solution. Containers are shipped on non-solid wood pallets. Smaller amounts are usually packed in PE plastic bottles.

## Orders and prices

Orders can be made by fax, letter or via the internet. Current EXW or DDU prices on request.

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