

# Technical Data Sheet



## Superabsorbent Polymer

DSorb<sup>®</sup> -428

### Chemical Basis

Sodium Polyacrylate, cross-linked

### Properties/Characteristics

| Items  | Typical        | Test Method   |
|--|----------------|---------------|
| Appearance   | White granules | Visual        |
| Moisture content (wt%)                                     | 4.2            | ERT 430.2(02) |
| Free Absorbency(g/g)                                       | 66.0           | ERT 440.2(02) |
| Retention Capacity (g/g) :                                 | 39             | ERT 441.2(02) |
| Absorption Rate(s)   | 18             | ---           |
| Absorption Under Load<br>(0.3psi)(g/g) :                   | 12             | ERT 442.2(02) |
| Residual monomer(ppm) :                                    | 350            | ERT 410.2(02) |
| Bulk density (g/ml) :                                      | 0.64           | ERT 460.2(02) |
| pH   | 6.1            | ERT 400.2(02) |
| Particle size distribution (%)<br>850 μm on<br>150 μm thru | 0<br>4         | ERT 420.2(02) |

\*These values shown are given for information only without guarantee and obligation

### Safety data

Labeling according to EC directives: not relevant

### Shelf life and Storage

12 months under proper storage conditions

Ensure that bags are well sealed completely under a cool and dry location because SAP is hygroscopic

### Packaging

20kg & 25kg Paper Bag

700kg Bulk Bag

### Applications

With high absorption and retention capacity, this superabsorbent is specifically designed to use in modern baby diapers and adult incontinence articles. It is particularly recommended to use DSorb428 grade to optimize the performance of hygiene articles that contain a lower to moderately high superabsorbents concentration within the absorbent core.

The above results have been obtained from trials in our laboratory and plant. In the light of changing conditions they can serve only as a guide and are therefore offered without obligation. We ask you to observe the possible rights of third parties

Issued: May 20 2012

Revision: 5.0