



STOCKOSORB® 660

Technical Data Sheet

Water and nutrients for improved plant growth

Physical Properties:

660 Medium

660 Micro

Basis:

Cross-linked polyacrylic acid homopolymer partially potassium neutralized

Appearance Free flowing white granules

Particle Size Distribution [mm]:

660 Medium: 1.0 - 2.5

660 Micro: 0.1 - 1.0

Bulk density [g/l]

660 Medium: 570 + / - 80

660 Micro: 600 + / - 80

Solubility:

Insoluble in water and organic solutions; swell to gel upon contact with aqueous solutions

pH-value (1g/l H₂O) 7.4 - 8.5

Minimum Absorption – Under free swelling conditions

1) Deionized water > 260 [ml/g]

2) Tap-Water

(1.3 mmol / l CaCO₃) > 180 [ml/g]

Minimum Absorption – In different soil types

Loess soil > 120 [g/g]

Sandy soil > 110 [g/g]

Toxicology / Ecology:

Nontoxic for plants, soil organisms and ground water according to OECD - Test

Residual Monomers:

Acrylic acid < 600

For Water & Soil Management Improvement – in Agriculture, Horticulture, Silviculture, Landscaping & Land Reclamation

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General Information

STOCKOSORB® increases the plant available water holding capacity, aeration balance and structure of soils, substrates and potting mixes. Consequently, water and nutrients are available to the plant for a longer period of time, resulting in stronger and healthier plant growth even under hot and dry climatic conditions. As STOCKOSORB® stores water in the root zone, water deep percolation as well as fertilizer leaching can be prevented. This allows for a reduction in irrigation frequency and thus irrigation costs. Furthermore, STOCKOSORB® increases soil porosity and enhances the water infiltration rate of soil to an extent that surface water run-off and soil erosion can be significantly reduced

Packaging

STOCKOSORB® 660 is available in the following packaging:

Storage Stability

STOCKOSORB® 660 can be stored in closed packaging under dry conditions and ambient room temperatures.

Please contact us for any further information.

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Container Weight

All particle sizes – Paper bags with two layers of polyethylene in liners

25 kg paper bag

1.000 kg pallet

(40x25 kg)

Medium – Big bag 700 kg big bag

Micro – Big bag 800 kg big bag

Creasorb 157 - 11 - ST 660 MM e

Legal References This information is based on our careful investigations and experiences but represents non-binding consultation and does not relieve you of the obligation to investigate our results and procedures for their applicability to your own use. This applies with regard to safeguarding the patent rights of third parties. We reserve the right to modify the information given here on the basis of further technical development of the product.

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