

SURFACE TREATMENT

Product description

Activated granulated carbon TS is a high activity granular activated carbon for use in various water treatment applications. It is manufactured from specific grades of coconut shell to produce a high quality carbon that can meet the demands of continuous fixed bed water treatment. Activated granulated carbon TS is a proven product used by a variety of customers and applications, including water companies, soft drink manufacturers, brewers and in industrial water treatment.



Advantages

Activated granulated carbon TS coconut based granular activated carbon has several properties which explain its performance in a wide range of applications:

- Manufactured from specific grades of coconut shell to produce a Selected Pore Structure for maximum adsorption.
- Coconut based granular activated carbons are suitable for multiple reactivations compared to other base materials such as peat and wood.
- Excellent backwashing characteristics. Carbon bed segregation is retained after repeated backwashing, ensuring the adsorption profile remains unchanged with time and therefore maximising the bed life before breakthrough.
- Activated granulated carbon TS is approved by DWI for contact with drinking water and related applications and complies with the European standard EN 12915 (Products used for the treatment of water intended for human consumption - Granular activated carbon).

Applications

Activated granulated carbon TS is used in a range of different applications including:

- Dechlorination
- Ozone removal
- Removal of taste and odour
- Elimination of dissolved pollutants
- Protection of RO membranes and resins
- BOD/TOC reduction
- Production of high purity water

Technical features

Carbon tetrachloride activity, min., wt%	50
Mesh size, US sieve Series, wt%	12x30
>12 mesh (1.70 mm), max %	8
<30 mesh (0.60 mm), max %	5
Typical properties	
Backwashed and Drained Bed Density*, kg/m³	450
Hardness number, %	97
Moisture Content, as packed, max., wt%	3
Iodine Number, mg/g	1100
Total Surface Area, (N BET method²), m²/g	1100
Methylene Blue number	230
Mean Particle Diameter, mm	1,2
Effective size, mm	0,90
Uniformity coefficient	1,4
Dechlorination half length, DIN19603, cm	2,2

(*) Backwashed and Drained Density for adsorber sizing.

Packaging

Available in 25kg barrels : reference **SI18393**

CARBOTECH [> link to technical data sheet](#)

You can put 5kg of activated carbon in a SIEBEC CARBOTECH of 11,6 liters.