

Granular activated carbon for water treatment MG 850

Description

MG 850 Activated Carbon is a high-quality granular carbon manufactured using a steam thermal activation process. Due to its characteristics, the active carbon MG 850 can be subjected to successive reactivation processes with an excellent recovery of its indices. It can also be used in fixed bed or moving bed columns, with a minimum of losses during backwashing and regeneration processes.



Features

MG 850 activated carbons have high hardness so they have high resistance to erosion, which is why they can be used to retain suspended solids, asking to replace the sand or anthracite used for these purposes without having to change or modify the filters already existing.

Applications

The MG 850 is very suitable for treating well or surface water purification and also for treating wastewater with a predominance of pollutants of various molecular weights. It also obtains excellent results in both water dechlorination and tertiary industrial wastewater treatment.

SPECS (*)	TYPICAL VALUE	UNITS	METHOD (**)
Iodine number (min.)	850	mg/g	ASTM 4607
Granulometry	8x30	US Std. Sieve (mm)	ASTM 2862
Humidity when bagging (max.)	5	%	ASTM 2867
pH	8,0 – 10,0	-	ASTM 3838
Apparent density	480 ± 30	Kg/m3	ASTM 2854
Total area (min.)	900	m2/g	Método BET
Methylene blue (min.)	160	g/Kg carbón	Método CEFIC
Uniformity coefficient	1,7	mm	-
Hardness (min.)	90	%	ASTM 3802

(*) The data shown is based on typical parameters and may present slight variations depending on the manufacturing batch, as it is a natural product.

(**) ASTM: American Standard Test Methods



Headquarters and Workshop:
Calle Pirineus, 74 - Polígono Industrial de Celrà
17460 - Celrà - Girona
Tel: +34 872 080 542 Fax: +34 872 080 543

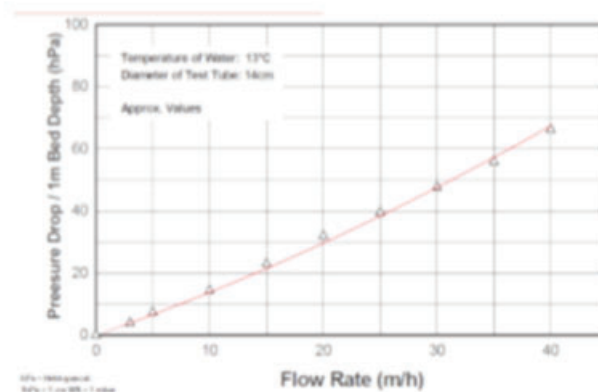
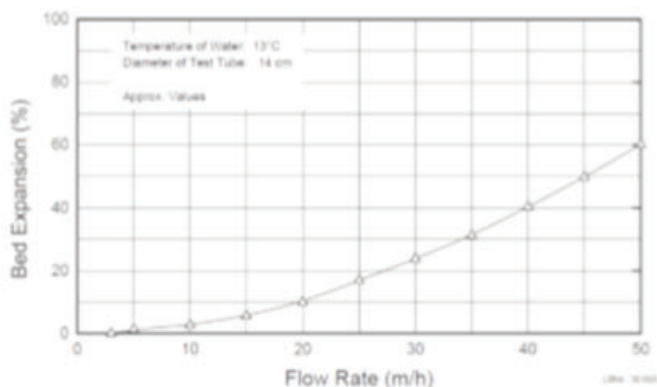
Madrid Office:
Av. de Castilla, 28 - 28830
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Tel: +34 916 780 039

Customer Service: envirotecnics@envirotecnics.com www.envirotecnics.com



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Expansion and pressure drop graph (8x30)



Delivery format

- 25 kg bags on pallet strapped and shrink-wrapped
- Big bags of 500kg or 1000 kg of net weight on pallet, strapped and shrink-wrapped.

Warnings and recommendations on prevention and safety

Avoid inhaling charcoal dust. Wet activated carbon significantly reduces the oxygen concentration in confined spaces. Appropriate safety equipment should be worn when handling activated carbon for filter filling and replacement tasks. For more details do not hesitate to consult our SDS.

Storage

If the carbon is to be stored for a long time before use, it must be kept in its packaging, which avoids the contact of the product with air, since this oxidizes it and reduces the adsorption capacity. All the more reason to avoid contact with organic vapours, as these saturate the activated carbon. If activated carbon is stored properly, the expiration date is two years from its manufacture.



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