

# ACTIVATED CARBON

Application: Water Treatment



## PURPOSE AND USE

Carbosorb 830 is a high-quality granular activated carbon produced by physical activation of selected mineral raw materials.

Due to its mesoporosity, Carbosorb 830 is particularly effective in the removal of organic contaminants such as pesticides, chlorinated and aromatic solvents, oils, colouring agents, phenols, tannins, and odour compounds. It is also used for the removal of humic acids (trihalomethane precursors) from surface waters.

It can be used for the removal of chlorine, ozone, hydrogen peroxide, permanganate and other oxidants. Carbosorb 830 is used in numerous applications such as drinking water production, process water, condensate purification and wastewater treatment.

## MAIN FEATURES

Carbosorb 830 meets the requirements of ISO EN 12915-1 'Products used for the treatment of water intended for human consumption - granular activated carbon'.

The filter bed reclassifies perfectly even after several backwashes, while the adsorbent power remains unchanged over time, extending and optimising the performance of the system.

Once exhausted, Carbosorb 830 can be recovered by thermal reactivation.

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## TECHNICAL DATA

GENERAL CHARACTERISTICS			
Iodine number	Astm D 4607	mg/g	950 min
Moisture at packaging	Astm D 2867	%	2
Granulometry	Astm D 2862	Mesh	8 x 30
Particle size distribution	> 8 Mesh (2.36 mm)	%	5
	< 30 Mesh (0.60 mm)		5
Methylene Blue Index	Cefic	g /100g	20
Surface area (B.E.T.)	Astm D 3663	m <sup>2</sup> / g	1.100
Bulk density	Astm D 2854	Kg / m <sup>3</sup>	480 - 500
Apparent density after backwash		Kg / m <sup>3</sup>	430 - 450
Hardness	Astm D 3802	%	95
Ash content	Astm D 2866	%	12
pH	Astm D 3838	-	Alkaline
Dechlorinating power	DIN	cm	5.5
PACKAGE			
25 kg sacks			

The data contained in this information is based on the latest technical knowledge and can be changed without prior notice. They are neither binding nor binding, while express recommendations are made for the correct use of the product. COMELT S.p.A. is responsible for the intrinsic characteristics of the products shown in the data sheets, but is not liable for the performance of the products themselves in the end user's applications.

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## HYDRAULIC PROPERTIES CARBOSORB 830

