

ADSORBENT SORBEO AC

(Adsorption – Purification)



DESCRIPTION

Activated carbon packages can purify compressed air and gases by means of an adsorptive process and is mainly used for separating oil vapors from compressed air flows.

Activated carbon can be used for other applications according to its specifications at any time. Typical applications for activated carbon are purification of natural gas, reformer gas and air⁽¹⁾.

Activated carbon is a high efficient pellet-shaped adsorbent offering low abrasion.

The activated carbon provides a high density and high activity (iodine number) - both fundamental characteristics of a high quality activated carbon. Furthermore, a low ash and low water content results in a maximum amount of effective carbonaceous material the activated carbon consists of. Another important adsorption parameter is the methylene blue adsorption capacity or methylene blue number. The activated carbon supplied in activated carbon packages is specially activated so both iodine and methylene blue numbers are exceptionally high.

APPLICATIONS⁽²⁾

- Oil vapours removal

⁽¹⁾For any other technical gas please contact us or your local dealer

⁽²⁾Adsorbent AC can be used in variety of applications. For applications not listed please contact us or your local dealer.

TECHNICAL SPECIFICATION

(Typical Values)

Appearance	Pelletized carbon	
Pellet Diameter	approx. 3 mm	
Bulk Density	500±30 g/l	
Iodine Number	> 900 mg/g	
CTC-activity	> 60%	
Specific Surface Area	approx. 1,050 m ² /g	
Water Content, as Packed	max. 5%	
Ash Content, as Packed	max. 3%	
Benzene Loading in Air (20°C) at		
	288 g/m ³	44 ±3%
	32 g/m ³	38 ±3%
	3.2 g/m ³	24 ±3%
	0.3 g/m ³	13 ±3%

HANDLING AND STORAGE

Adsorbent AC should be handled so as to avoid generation of dusty conditions at the workplace. Store under dry conditions. Do not store with strong oxidizing agents, nor with solvents. Precautions against fire and explosion: product is flammable. During smoldering fires carbon monoxide and carbon dioxide are produced

HEALTH AND SAFETY INFORMATION

Adsorbent AC is a carbonaceous material CAS No. 7440-44-0. Ensure good ventilation, wear safety glasses. Nevertheless, the user is responsible for controlling the working environment according to local regulations. Forming an explosive mixture is possible under certain conditions. As extinguishing media use foam or water, do not use CO₂.

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	Our quality management system is certified by BUREAU VERITAS in conformity with ISO 9001:2008 Reg. number: 200285	
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