

Activated
carbon
pellet

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EcoSorb

EcoSorb is an activated carbon that is suitable for the removal of a wide range of organic pollutants in the vapor phase. The predominance of micropores ensures effective removal of low molecular weight contaminants. The extruded form of this product offers exceptional durability, especially in annular and deep bed adsorption units where thermal stress may be high. EcoSorb is suitable for use in inert gas purification, for example carbon dioxide and nitrogen, and recovery of low boiling point solvents.



Technical specification

CTC adsorption	min. 60%
Total ash content	max. 15%
Moisture content, as packed	max. 5%
Ball-pan hardness	min. 95%
Apparent density	min. 450 kg/m ³
Pellet diameter tolerance	± 10%

Typical properties

Surface area (BET)	1050 m ² /g
Butane adsorption	26%
Apparent density, tapped	460 - 520 kg/m ³
Filling density, loose	390 - 440 kg/m ³
Specific heat	950 J/kg/K ⁻¹

Features

- High activity product
- Extruded form
- Predominately microporous
- Exceptional product hardness
- Low dust forming properties
- Good resistance to attrition
- Wide range of pellet diameters
- Consistent pressure loss characteristics
- Versatile adsorbent
- High organic removal capacity



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Adsorption capacity

Compound	Type	Concentration	Capacity
n-Hexane	Aliphatic	15 ppmv	8.1% w/w
		913 ppmv	14.8% w/w
Trichloroethene	Chlorinated	8 ppmv	9.6% w/w
		1081 ppmv	28.3% w/w
n-Propanol	Alcohol	10 ppmv	4.4% w/w
		1180 ppmv	15.2% w/w
Toluene	Aromatic	7 ppmv	9.1% w/w
		1002 ppmv	22.5% w/w

Pellet diameters

- 5 mm diameter
- 4 mm diameter
- 3 mm diameter
- 2 mm diameter
- 1.5 mm diameter

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