



TECHNICAL DATASHEET

ColorSorb™ 5000

Speciality activated carbon for decolorising duties

ColorSorb™ 5000 is effective in the treatment of mildly discolored liquids, food stuffs and chemicals. This material has a macroporous structure for efficient diffusion and adsorption of high molecular weight organic substances in liquid phase decolorization applications. The activation process produces an adsorbent with an alkaline surface pH designed to function in the treatment of liquors with a pH >6. Strict control of the particle size is used to optimize adsorption kinetics and maintain low and consistent pressure loss.



SPECIFICATION*

Molasses decolorising index (EU)	max. 195
Total ash content	max. 15 %
Moisture content	max. 5 %
pH	9 - 11

TYPICAL PROPERTIES*

Iodine number	1100 mg/g
Surface Area (BET)	1200 m ² /g
Water soluble ash	3 %
Apparent density, tapped	310 kg/m ³

* SPECIFICATIONS AND TYPICAL PROPERTIES ARE PRODUCED USING JACOBI CARBONS' TEST METHODS. THEY ARE LISTED FOR INFORMATIONAL PURPOSES ONLY AND NOT TO BE USED AS PURCHASE SPECIFICATIONS. SALES SPECIFICATIONS CAN BE OBTAINED FROM YOUR JACOBI CARBONS TECHNICAL SALES REPRESENTATIVE AND SHOULD BE REVIEWED BEFORE PLACING AN ORDER.

Features and Benefits

- Decolorising product
- Alkaline pH range
- High mesoporosity
- Rapid adsorption kinetics
- Range of particle sizes
- Consistent pressure loss characteristics
- Food codex compliant
- Homogenous product

Available Particle Sizes

- 8x18 mesh (2.36 - 1.18 mm)
- 8x30 mesh (2.36 - 0.60 mm)
- 10x20 mesh (2.00 - 0.85 mm)
- 12x30 mesh (1.70 - 0.60 mm)
- 12x40 mesh (1.70 - 0.43 mm)

Approvals and Certifications

- Food Chemicals Codex
- Halal certified
- Kosher certified

Standard Packaging

- 15 kg multilayer paper sack (33lb)
- 300 kg bulk bag (660 lb)
- Other packing considered on request



Polypropylene liner-free FIBCs (super sacks), two bags per pallet