Product Information

CCC 5x7 is a broken pellet form of activated carbon. Produced from select grades of bituminous coal and thermally activated under carefully controlled conditions to provide a strong, dust free product with a high surface area. CCC activated carbon has low soluble constituents, which will reduce the potential for elution of these inorganics into your process stream. Because of its high density, this media will not be susceptible to fines or dust generation or floating. This product will provide excellent adsorptive characteristics without increase in pressure drop when compared to smaller mesh medias, even under extended continuous service. The pore structures are carefully controlled to offer optimal adsorption of a broad spectrum of molecular weight compounds. The tensile strength provides a strong filtration media without the need for other support medias. These features add up to longer service life; therefore, fewer bed changes and more economical adsorption/filtration performance.

Specifications

U. S. Sieve Series Mesh	5x7
Greater Than 5 Mesh (Maximum)	5%
Less Than 7 Mesh (Maximum)	2%
Iodine Number, mg/gm (Minimum)	975
Abrasion Number (Minimum)	75
Moisture (As Packed)	2%
pH of Neutral Challenged Media (Maximum)	8.2

Physical Characteristics

Total Surface Area, m^2/gm (N_2 BET Method)	1000 to 1050
Apparent Density, Bulk Dense Pack, lbs/ft^3	28 - 30
gms/cc	0.45 - 0.47
Backwash & Drained, lbs/ft^3	26
gms/cc	0.43
Pore Volume, cc/gm	0.80

Commercial Information

Packed in 180 net lbs. drum or 1,000 net lbs. bulk bag.

FOB: Coastal Chemical Co., Inc. Facilities USA

National Motor Freight #40560, Class #70

Note: Steam activated carbons are excluded from provisions of IATA #395, IMCO Class 4.2 or UN #1362.

CAUTION: Wetted activated carbons preferentially remove oxygen from air. In closed or partially closed containers and/or vessels, oxygen reduction may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low oxygen spaces should be followed. These include all applicable Federal and State requirements.

The data presented in this bulletin are typical only and not specifications. The information and suggested uses are based on evaluations believed reliable. No guarantee or warranties are expressed or implied, however, including the implied warranty of merchantability and fitness for particular purpose. Coastal Chemical Co., LLC disclaims any liability in the use of these data, including possible infringement of patent.

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