



AquaSorb™ CR

Granular coconut shell based activated carbon

AquaSorb™ CR is a cost effective, medium activity granular activated carbon manufactured by steam activation from select coconut shell charcoal. It provides high adsorption of low molecular weight compounds at low concentrations as a result of its extensive microporosity. In addition, it is ideally suited for the removal of oxidizing agents such as chlorine and ozone from process water applications. A particularly important feature of this material is its superior mechanical hardness that combined with an excellent de-dusting operation ensures an exceptionally clean product.



SPECIFICATION*

Iodine number	min. 900 mg/g
CTC activity	min. 45 %
Moisture content, as packed	max. 5 %
Total ash content	max. 4 %
Hardness	min. 98 %

TYPICAL PROPERTIES*

Surface area	950 m ² /g
Water soluble ash	1.0 %
Apparent density	540 kg/m ³
Apparent density, backwashed and drained	470 kg/m ³
pH	9 - 11

PARTICLE SIZE (mesh)	20x50	12x40	10x20	8x30	8x16
Oversize	<5%	<5%	<5%	<5%	<5%
Undersize	<4%	<4%	<4%	<4%	<4%
Effective size	0.4 mm	0.6 mm	1.0 mm	1.0 mm	1.2 mm
Mean particle diameter	0.5 mm	1.0 mm	1.4 mm	1.4 mm	1.9 mm
Uniformity co-efficient	<1.6	<1.7	<1.7	<1.6	<1.4

THE INFORMATION SUPPLIED ABOVE IS BASED ON ANALYSIS OF PRODUCTION TREND OVER THE PREVIOUS SIX-MONTHS AND IS SUBJECT TO CHANGE WITHOUT NOTICE SHOULD FUTURE TRENDS BE ADJUSTED.

Features and Benefits

- Extensive internal surface
- Optimized density
- High microporous structure
- Maximum hardness
- Excellent adsorption capacity
- High volume activity
- Effective removal of ozone

Available Particle Sizes

- 20x50 mesh (0.30 - 0.85 mm)
- 12x40 mesh (0.425 - 1.70 mm)
- 8x30 mesh (0.60 - 2.36 mm)
- 8x16 mesh (1.18 - 2.36 mm)
- 6x12 mesh (1.70 - 3.35 mm)
- Other particle sizes available on request

Certifications and Approvals

- NSF/ANSI Standard 61
- AWWA B604-96
- EN12915
- Halal certified production
- Kosher certified production

Standard Packaging

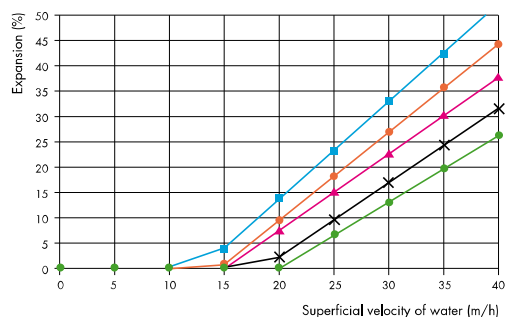
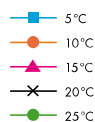
- 25 kg PE sack (55 lb)
- 500 kg bulk bag (1100 lb)
- Other packing considered on request

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

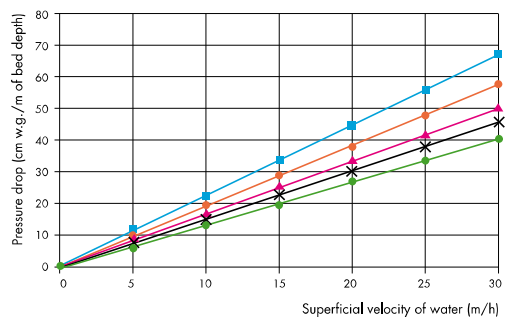
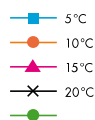


AquaSorb™ CR 8x30 mesh

BED EXPANSION DURING BACKWASH

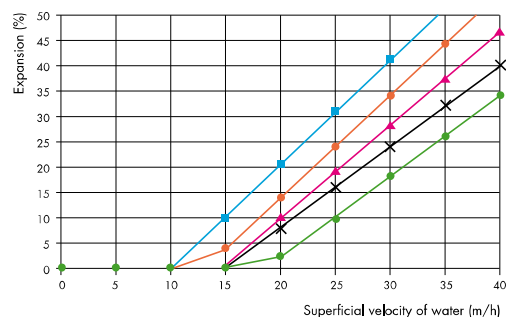
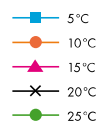


DOWNFLOW PRESSURE LOSS

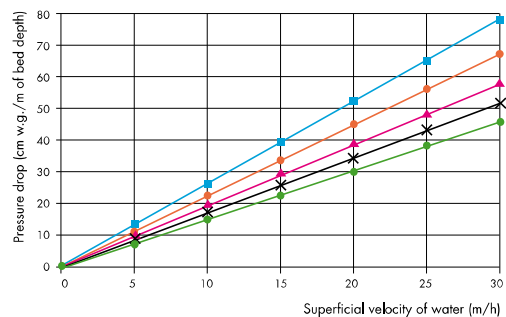
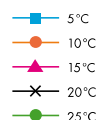


AquaSorb™ CR 10x20 mesh

BED EXPANSION DURING BACKWASH

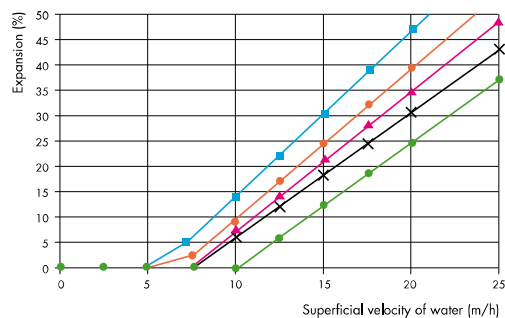
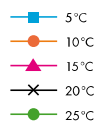


DOWNFLOW PRESSURE LOSS



AquaSorb™ CR 12x40 mesh

BED EXPANSION DURING BACKWASH



DOWNFLOW PRESSURE LOSS

