

## Product introduction



Maxxel is a principal high-activity granular carbon manufactured by Optimus Intertrade for removal of tastes, odors, and dissolved organic chemicals from municipal and industrial water supplies. Maxxel are manufactured from select grades of bituminous coal to produce a high-activity, Durable granular product capable of withstanding the abrasion and dynamics associated with repeated reactivation hydraulic transport, backwashing and mechanical handling. Its enhanced microporosity makes it particularly well suited for the removal of low molecular weight organic compounds and their chlorinated by-products such as chloroform and other trihalomethanes (THM's). It is also ideally suited for the removal of oxidizing agents such as chlorine and ozone from process water. An important of this material is its superior mechanical hardness and the extensive dedusting during its manufacture that ensures an exceptionally clean activated carbon product. Activation is carefully controlled to produce exceptionally high internal surface area with optimum pore size for effective adsorption of a broad range of high and low molecular weight organic contaminants.

## SPECIFICATION

PARAMETER	VALUE	UNIT	TEST MEETHOD
Iodine number	1050	Mg g <sup>-1</sup>	ASTM
Bulk density	400-500	Mg g <sup>-1</sup>	ASTM
Hardness	95	%	ASTM
Moisture	<5	%	ASTM
PH	8-13		ASTM
Methylene blue	200-210	Mg g <sup>-1</sup>	ASTM
Ash	6-13	%	ASTM

## Typical Applications

- Municipal drinking water treatment
- Residential water treatment systems-Point of Entry (POE) / Point of Use (POU)
- Beverage production
- Protection of ion exchange resins from chlorine

## Available Particle Sizes

- 12×40 mesh (0.425 - 1.70 mm)
- 8×30 mesh (0.60 - 2.63 mm)
- 8×16 mesh (1.18 - 2.63 mm)

## Features and Benefits

- Large internal pore structure
- High content of micropores
- Optimized density
- Maximum hardness
- Low dust and turbidity
- Excellent adsorption capacity
- High volume activity
- Rapid dechlorination
- Effective removal of ozone
- Low filtered water turbidity

## Packaging

At Maxxel Carbons we take packaging very seriously. It is important for our customers that activated carbon is packed in durable bags and look great. It's simple, we provide the best Packaging in the industry. So rest assured that your delivery will be neat and clean with no dusty, broken, or leaking bags. Just Clean and easy-to-handle packaging that you can rely on.

## Standard Packaging

- 25 kg bag (50 liter)

## CAUTION

Wet activated carbon preferentially removes oxygen from air. In closed or partially Closed containers and vessel oxygen depletion 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, including all applicable requirements.

