

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	900	Mg g ⁻¹	ASTM
Bulk density	400-520	Mg g ⁻¹	ASTM
Hardness	95	%	ASTM
Moisture	<5	%	ASTM
PH	8-13		ASTM
Methylene blue	150-160	Mg g ⁻¹	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)