

## MANGANESE DIOXIDE (MnO<sub>2</sub>)

MnO<sub>2</sub> sand is used to for the removal of soluble iron, manganese and hydrogen sulfide from well water supplies. It also has the capacity to remove radium and arsenic. Naturally occurring manganese dioxide is upgraded, washed, cleaned and is produced in different sizes for use in water treatment.

MnO<sub>2</sub> sand requires only partial replacement with no chemical dosing and no monitoring.

Elements	Content %
Color	Dark / Black Brown
Bulk Density	1925 Kgs / M3
Purity	70 % Mn Content
Specific Gravity	4.5 - 5.0
Effective Size	0.7 -1.0 mm
Uniform Coefficients	< 1.6
PH Range	6.2 - 8.5
Hardness	5 to 6 Moh's scale
Moisture	< 1 % by weight
Filtration Rate	9m <sup>3</sup> /m <sup>2</sup> /hr
Backwash Rate	15 to 25 m <sup>3</sup> /m <sup>2</sup> /hr
Will Reduce	Iron - 1.2 gm/ l, Manganese - 0.2 gm/l

