



MILLERS AND PROCESSORS OF BASE MINERALS

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DATA SHEET

Magnetite
Grade: Water filter media
Use: Water filtration



Chemical Analysis (%):

Typical:	FeO	67.3%	K2O	0.3%	Ni	0.05%	Na2O	0.15%
	Cr2O3	1.1%	CaO	1.02%	P2O5	0.04%	Cu	0.08%
	S	1.0%	MgO	1.5%	MnO	5.47%	SiO2	2.7%
	Al2O3	3.4%	V2O5	0.87%	TiO2	17.0%		
	Co	0.01%	CL	0.01%	Zn	0.02%	Ba	0.06%

Physical Properties:

Particle Size:	-0.6 +0.3mm	0.6 to 1.0mm	0.6 to 1.4mm	1.2 to 2.4mm	1 to 3mm	3 to 5mm
Specific Gravity (S.G):	4.42				4.58	
Bulk Density (B.D):	2.21				2.11	
10% soln. pH:			7.5%			
L.O.I:			0.40%			
Moisture:			0.5% max			

Application:

Water filtration – Bottom bed for the water filtration industry. Ideal for multi-media filters. Recommended mix -5mm+3mm ; -3mm+1mm; -1mm+0.6mm to remove nano precipitation of Fe and Mn. Silica -6mm+9mm pebbles recommended underbedding.

Packaging:

Packed in 25, 40 and 1m/t bulk bags.

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