

MAGNA FILTER MEDIA[®]
MAG X 120
MANGANESE DIOXIDE FILTER MEDIA
TECHNICAL DATA SHEET

TYPICAL CHEMICAL ANALYSIS

CONSTITUENT	% PRESENT	% MINIMUM / MAXIMUM
Manganese as Mn	43.0	41.6 min.
Iron as Fe	5.4	7.0 max.
Silica as SiO ₂	3.8	4.6 max.
Alumina as Al ₂ O ₃	9.0	11.0 max.
Phosphorus as P	0.09	0.13 max.
Calcium as CaO	0.13	
Magnesium as MgO	0.16	
Sodium as K ₂ O	0.05	
Potassium as K ₂ O	1.2	
Loss on Ignition	15.2	

PARTICLE SIZE DISTRIBUTION

Specified Range	.....	0.355 to 0.850 mm
% within specified range	.....	90.0
% coarser than 0.850 mm.	.....	5.0 max.
% finer than 0.355 mm.	.....	5.0 max.
Uniformity Coefficient	.....	1.16*
Effective Sieve Size	.....	0.6 mm

PHYSICAL PROPERTIES

Specific Gravity	.....	3.5 – 4.0
Bulk density (approx.)	125 lb/ft ³ (2000 kg/m ³)
Hardness	6 Moh

* ratio of % retained / effective size

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