



TECHNICAL INFORMATION



ENVIROPLUG® MEDIUM

Description: ENVIROPLUG® MEDIUM is a specially sized, high swelling, sodium bentonite for use in well sealing, abandonment, seismic shot holes, grounding rods, etc.

Typical Characteristics:	Bulk Density (lbs./ft³):	68
	Cation Exchange Capacity (CEC meq(100gm):	70 – 90
	Colloid Content (%):	>85
	Color:	Light Grey to Tan
	Free Swell (cc/2gm):	>16
	Liquid Limit:	504.7
	Moisture Content (%):	15 ± 2
	pH:	8.6 - 9.1
	Plastic Limit (%):	39.2
	Plastic Index:	465.5
	Resistivity:	2.40 ohm-meters
	Specific Gravity:	2.55 ± 0.1

Typical Sieve Analysis:	Sieve Size	% Retained
	½"	16.76
	⅜"	35.33
	¼"	41.41
	#4	5.91
	Pan	0.36

Typical Chemical Analysis:	%
SiO ₂	60.34
Al ₂ O ₃	19.28
Fe ₂ O ₃	3.48
Na ₂ O	2.34
TiO ₂	.22
CaO	.38
MgO	1.67
K ₂ O	.10
H ₂ O	7.75
Other	.07
L.O.I.	4.37

E.P.A Toxicity Analysis:	E.P.A Standard (ppm)	Typical Analysis (ppm)
Arsenic	5.0	<0.1
Barium	100.0	0.5
Cadmium	1.0	<0.05
Chromium	5.0	<0.1
Lead	5.0	<0.1
Mercury	0.2	<0.02
Selenium	1.0	<0.05
Silver	5.0	<0.1

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WYO-BEN, INC., Billings, Montana

800.548.7055

406.652.6351

www.wyoben.com

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