

# BENTONITE PLUG

## SODIUM BENTONITE CHIPS

**DESCRIPTION**

**Bentonite Plug** - 3/8" western sodium bentonite chips.

**APPLICATION**

**Bentonite Plug** is primarily used for sealing wells, borehole, and monitoring well construction. **Bentonite Plug** can be poured in the hole dry, no mixing required. Upon hydration forms a flexible gel-like mass which fills formation voids and prevents surface contaminants from reaching subsurface groundwater.

**USAGE CHART**

Hole Diameter	2.5"	3.5"	4"	4.5"	5"	5.5	6"	6.5"	8"	10"
Lbs/Ft	2.5#	5#	6.75#	8.5#	10.75#	12.5#	15.5#	20.5#	28#	41#
Ft of Seal/Bag	20	10	7.5	5.75	5	5	3.25	2.5	1.75	1.25

**NOTE:** These are dry weights and volumes. In use, the swelling of the chips may increase the length of the seal (depending on hole condition).

**PACKAGING**

Available in 50 lb polyethylene bags and 3,000 lbs bulk bags.

TYPICAL CHEMICAL ANALYSIS			SPECIFICATION	
			PROPERTY	TYPICAL ANALYSIS
SiO <sub>2</sub>	52.70	- 54.80 %		
Al <sub>2</sub> O <sub>3</sub>	18.70	- 19.60 %		
Fe <sub>2</sub> O <sub>3</sub>	3.97	- 4.13 %	Moisture	8 - 15 %
CaO	0.68	- 1.55 %	pH	7.9 - 8.6 %
MgO	2.71	- 2.72 %	Volumetric Swell	8 - 15 %
Na <sub>2</sub> O	2.72	- 3.69 %		
K <sub>2</sub> O	0.58	- 0.60 %	<b>XRAY ANALYSIS</b>	
TiO <sub>2</sub>	0.32	- 0.34 %		
			Montmorillonite	85 %
			Quartz	5 %
			Feldspars	5 %
			Cristobalite	2 %
			Illite	2 %
			Calcium/Gypsum	1 %