



Medium Bentonite Chips



Medium Bentonite Chips are made of high swelling natural Wyoming sodium bentonite. These chips form a flexible, permanent, non-toxic seal where water flows and hydrostatic pressures are involved.

Chip sizes are available in 6 - 10 mm (1/4 to 3/8 in.) and are packed in 22.7 kg (50 lb.) bags, 48 per pallet. All pallets are plastic-wrapped.

specifications	
ITEM	DESCRIPTION
Sizes	6 - 10 mm (0.25 or 0.375 in.)
Composition	Natural Wyoming sodium bentonite - a hydrous silicate of alumina comprised essentially of the clay mineral montmorillonite.
Purity	Montmorillonite content 90% minimum.
pH	8.5 to 10.5
Dry Bulk Density	1109 kg/m ³ (69.25 lbs/ft ³)

application matrix						
METRIC UNITS						
Hole Diameter (mm)	50	75	100	125	150	200
Pounds Chips / linear foot	2.2	4.9	8.7	13.6	19.6	34.9
IMPERIAL UNITS						
Hole Diameter (in.)	2	3	4	5	6	8
Pounds Chips / linear foot	1.5	3.4	6.0	9.4	13.6	24.2



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applications

- Seal all types of piezometers.
- Seal surface casing for water wells and well pits.
- Provide an intermediate seal preventing inter-aquifer transfer.
- Seal at the upper most aquifer and prevent entrance of surface water into aquifer.
- Seal abandoned wells maintaining aquifer yield and artesian head.

features

- Increased hardness and density provides better settling characteristics. Can be placed in a dry or wet borehole with the same ease as pea gravel.
- Extremely slow swelling rate allows the proper placement of the bentonite seal without bridging.
- Will swell up to 15 times its dry volume when hydrated by fresh water. (Please note that performance can be affected by water quality).
- Chemically stable. Results from TCLP Priority Pollutants analysis are below RCRA limits for hazardous constituents.
- Will provide an "in place" expansive seal.
- Will not shrink or crack with time.
- Cost effective.

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