



	<b>PRODUCT CATEGORY:</b>
	ENVIRONMENTAL

## 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.

### > APPLICATIONS

Seal all types of piezometers.

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

Increased hardness and density provide better settling characteristics. Can be placed in a dry or wet borehole with the same ease as pea gravel.

Extremely slow swelling rate allow 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.

Cost effective.

Will not shrink or crack with time.

### > BENEFITS

✓ **High Reliability**



Contact RST for Details

### 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 <sup>3</sup> (69.25 lbs/ft <sup>3</sup> )

### 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