

# GRANULAR SEAL

## GRANULAR SODIUM BENTONITE

### DESCRIPTION

**Granular Seal** is a high swelling, chemically unaltered, uniformly sized (8 mesh) granular sodium bentonite which contains no additives. When **Granular Seal** comes into contact with water, it forms a semi solid, gel-like mass which fills formation voids and limits water movement within the hole. This semi solid mass also prevents surface water from following the bore hole to subsurface water supplies.

### APPLICATION

**Granular Seal** offers an economical way to accomplish bentonite grouting. It provides a high concentration of solids for hole abandonment and sealing casing. **Granular Seal** can be poured dry or used as a mixed grout for tremie placement.

### PACKAGING

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

**SIEVE ANALYSIS:** -8, +20

**PERMEABILITY:** 1.9 X 10<sup>-9</sup> cm/sec

**pH:** 7.5 – 8.6

CHEMICAL ANALYSIS				X-RAY ANALYSIS			
SiO <sub>2</sub>		66.60	%	Montmorillonite		85	%
Al <sub>2</sub> O <sub>3</sub>		17.60	%	Quartz		5	%
Fe <sub>2</sub> O <sub>3</sub>		3.67	%	Feldspars		5	%
CaO		0.57	%	Cristobalite		2	%
MgO		1.80	%	Illite		2	%
Na <sub>2</sub> O		2.50	%	Calcium & Gypsum		1	%
K <sub>2</sub> O		0.31	%				
Bound Water		6.51	%				
Moisture at 20°F		0.14	%				

