

TECHNICAL DATA SHEET

Environmental Grout & Sealant

Southwestern Materials, Co



PURE WESTERN BENTONITE CHIPS

DESCRIPTION

PDSCo Plug is western sodium bentonite chips. It is available in both 3/8" and 3/4" chips;

APPLICATION

PDSCo Plug is primarily used for sealing wells, borehole, and monitoring well construction. **PDSCo 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 pellets will increase the length of the seal (depending on hole condition).

PACKAGING

Available in 50 lb polyethylene bags.

TYPICAL CHEMICAL ANALYSIS

SiO ₂	52.70	-	54.80	%
Al ₂ O ₃	18.70	-	19.60	%
Fe ₂ O ₃	3.97	-	4.13	%
CaO	0.68	-	1.55	%
MgO	2.71	-	2.72	%
Na ₂ O	2.72	-	3.69	%
K ₂ O	0.58	-	0.60	%
TiO ₂	0.32	-	0.34	%

SPECIFICATION

<u>PROPERTY</u>	<u>TYPICAL ANALYSIS</u>
Moisture	8 - 15 %
pH	7.9 - 8.6 %
Volumetric Swell	8 - 15 %

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