

CHARLES B. CHRYSTAL CO., INC

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INDUSTRIAL MINERALS SINCE 1897

TYPICAL SPECIFICATION OIL WELL BENTONITE API SPEC. 13A, SEC. 5

This Bentonite meets the API requirements for Spec. 13A, Section 5. This item is used in small diameter borehole drilling for water wells, monitoring wells, or minerals exploration. Oil and gas drilling.

CHEMICAL SPECIFICATION:

SiO ₂	61.4%
Al ₂ O ₃	18.0%
Fe ₂ O ₃	3.5%
Na ₂ O	2.3%
MgO	1.7%
CaO	.4%
TiO ₂	.2%
K ₂ O	.1%
Other	.07%
H ₂ O	7.8%
L.O.I	4.4%

PHYSICAL SPECIFICATION:

TYPICAL VALUE:

YP/PV Ratio 1.5 max	0.8
Plastic Viscosity 10 cp, min	12.0
% Passing 200 Mesh Dry Screen	80% +/-4%
Bulk Density (lbs/cu.ft)	52 +/-3
Filtrate, 30 min 12.5 cm ³ , Max	10.0
Surface Area (sq m/gr)	82 gr external
Surface Area (sq m/gr)	800 all surfaces
Specific Gravity	2.55
Cation Exchange Capacity (megs/100gr)	80-90
pH (5% Suspension)	9.1

PACKING:

Paper Bags, SuperSacks, or Bulk

ORIGIN:

USA