



TECHNICAL INFORMATION



GROUT-WELL® DF

Description: GROUT-WELL® DF is a specially formulated, powdered, 20% solids bentonite product for use in sealing and abandonment of water wells, monitor wells and other geotechnical applications.

| | | |
|---------------------------------|--|----------------------|
| Typical Characteristics: | Bulk Density (lbs./ft³): | 57.5 ± 2.5 |
| | Cation Exchange Capacity (CEC meq(100gm): | 70 – 90 |
| | Color: | Light Grey to Tan |
| | Moisture Content: | 6% - 10% |
| | Permeability (cm/sec): | 1 X 10 ⁻⁸ |
| | pH: | 8 ± 10 |
| | Resistivity (ohm-meters): | 2.80 |
| | Specific Gravity: | 2.55 ± 0.1 |
| | Thermal Conductivity (Btu/hr-ft-°F): | 0.42 |

| Typical Sieve Analysis: | Sieve Size | % Retained |
|-------------------------|------------|------------|
| | #20 | 0.12 |
| | #40 | 22.13 |
| | #100 | 53.35 |
| | #200 | 16.31 |
| | Pan | 8.08 |

| Typical Chemical Analysis: | % |
|--------------------------------|-------|
| SiO ₂ | 60.34 |
| Al ₂ O ₃ | 19.28 |
| Fe ₂ O ₃ | 3.48 |
| Na ₂ O | 2.34 |
| TiO ₂ | .22 |
| CaO | .38 |
| MgO | 1.67 |
| K ₂ O | .10 |
| H ₂ O | 7.75 |
| Other | .07 |
| L.O.I. | 4.37 |

| E.P.A Toxicity Analysis: | E.P.A Standard (ppm) | Typical Analysis (ppm) |
|--------------------------|----------------------|------------------------|
| Arsenic | 5.0 | <0.1 |
| Barium | 100.0 | 0.5 |
| Cadmium | 1.0 | <0.05 |
| Chromium | 5.0 | <0.1 |
| Lead | 5.0 | <0.1 |
| Mercury | 0.2 | <0.02 |
| Selenium | 1.0 | <0.05 |
| Silver | 5.0 | <0.1 |

Rev 3/17