

TYPICAL PROPERTIES

"FISH SPRINGS" PERLITE ORE - (CRUDE)

| | |
|-------------------------------|------------------------|
| FORM AND COLOR..... | GRAY, GRANULAR |
| SPECIFIC GRAVITY..... | 2.5 |
| LOOSE DENSITY..... | 65 LBS. PER CUBIC FOOT |
| MOHS HARDNESS..... | 5 TO 6 |
| PH..... | NEUTRAL |
| FUSION POINT..... | 1700° - 1800° F |
| SOLUBLES - WATER..... | 0.08 |
| SOLUBLES - HOT HCL (1:3)..... | 1.5 |

TYPICAL CHEMICAL ANALYSIS

% BY WEIGHT

| | |
|--------------------------------------|-------|
| LOSS ON IGNITION..... | 3.2 |
| SiO ₂ | 75 |
| Al ₂ O ₃ | 13.2 |
| Fe ₂ O ₃ | 0.7 |
| CaO..... | 0.5 |
| MgO..... | TRACE |
| Na ₂ O..... | 4.3 |
| K ₂ O..... | 4.6 |

TYPICAL SIEVE ANALYSIS

PERCENT WEIGHT RETAINED, CUMULATIVE

U.S. STANDARD

| <u>SIEVE NUMBER</u> | <u>814</u> | <u>1220</u> | <u>1240</u> | <u>4500</u> | <u>A-100</u> |
|---------------------|------------|-------------|-------------|-------------|--------------|
| 6 | 0-5 | - | - | - | - |
| 8 | 30-50 | 0-1 | - | - | - |
| 12 | 70-90 | 20-40 | 0-8 | - | - |
| 14 | - | - | 12-25 | - | - |
| 16 | 94-99 | 45-70 | 25-40 | - | - |
| 20 | 97-99 | 75-95 | 55-75 | T | - |
| 30 | 97-99 | 95-100 | 80-95 | 0-4 | - |
| 40 | - | 95-100 | 95-100 | 7-20 | - |
| 50 | - | - | - | 22-45 | - |
| 100 | - | - | - | 67-88 | 0-50 |
| 200 | - | - | - | 90-99 | 35-65 |