



# MAHAVIR MINERALS LTD.

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## POTASSIUM FELDSPAR PF-01

**DESCRIPTION:** Selected White Firing High Grade Potassium Feldspar Typically used in Frits, Ceramic Glazes, Sanitaryware, Tableware, White Glass, TV Tubes etc.

**Packing : 25 Kg, 50 Kg or 1200 Kg Bags.**

**PARTICLE SIZE SPECIFICATION :** PF-01 2% Maximum + 75 Micron  
PF-01 2% Maximum + 63 Micron  
PF-01 2% Maximum + 45 Micron

### CHEMICAL PROPERTIES

Silica (SiO <sub>2</sub> )	67% (±1%)
Alumina (Al <sub>2</sub> O <sub>3</sub> )	17.5% (±0.5%)
Potassium Oxide (K <sub>2</sub> O)	11.5% (±1%)
Sodium Oxide (Na <sub>2</sub> O)	3% (±0.5%)
Calcium Oxide (CaO)	<0.30%
Ferric Oxide (Fe <sub>2</sub> O <sub>3</sub> )	0.08% (±0.02%)
Manganese Oxide (MgO)	<0.30%
Titanium Oxide (TiO <sub>2</sub> )	<0.01%
Loss on Ignition LOI (950°C)	1.00 % Max

### PHYSICAL PROPERTIES

Specific Gravity	2.55
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### MINERALOGY

Microcline	65 - 75 %
Albite	21 - 30 %
Anorthite	0.60%
Kaolinite	1.00%
Free Quartz	10 - 15 %

Melting Temperature 1220°C Socking time 30 Minutes

#### PF-01 / 500 MICRONS

Micron	Cummulative%
< 212	100.00
180	99.99
150	99.98
125	99.97
106	99.93
75	99.11
63	97.38
53	88.76
43	85.01
37	73.37
25	62.72
20	51.94
10	35
5	22.5
2	12.29
1	5.1

#### PF-01 / 150 MICRONS

Micron	Cummulative%
< 106	100.00
75	99.75
63	99.05
53	97.72
43	95.24
25	75.00
20	69.00
15	61.00
10	45.00
5	36.00
2	28.00
1	15.00

#### PF-01 / 45 MICRONS

Micron	Cummulative%
< 106	100.00
75	99.99
53	99.00
43	98.00
25	90.00
20	82.00
15	70.00
10	60.00
5	30.00
2	20.00
1	10.00

