

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 : 50-kg or 1000-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 ₂)	67% (±1%)
Alumina (Al ₂ O ₃)	17.5% (±0.5%)
Potassium Oxide (K ₂ O)	11.5% (±1%)
Sodium Oxide (Na ₂ O)	3% (±0.5%)
Calcium Oxide (CaO)	<0.30%
Ferric Oxide (Fe ₂ O ₃)	0.08% (±0.02%)
Manganese Oxide (MgO)	<0.30%
Titanium Oxide (TiO ₂)	<0.01%
Loss on Ignition LOI (950°C)	1.00 % Max

PHYSICAL PROPERTIES	
Specific Gravity	2.55

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 / 75 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	35.00
5	22.50
2	12.29
1	5.10

PF-01 / 63 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

