

## Ball Clays for refractory:

Chemical characteristics for dry product	BW-Granitic	BWDN-0	BWDN-1
Al <sub>2</sub> O <sub>3</sub> , %	26,50+/-0,5	31,50+/-0,5	30,00+/-1
Fe <sub>2</sub> O <sub>3</sub> , %	0,90+/-0,15	1,00+/-0,1	1,30+/-0,1
TiO <sub>2</sub> , %	1,40+/-0,2	1,50+/-0,1	1,50+/-0,1
SiO <sub>2</sub> , %	60,00+/-2,0	58,00+/-2,0	59,00+/-2,0
CaO, % average	0,30	0,50	0,50
MgO, % average	0,50	0,50	0,50
Na <sub>2</sub> O, % average	0,15	0,45	0,45
K <sub>2</sub> O, % average	1,90	2,10	2,10
LOI, % average	7,60	9,80	9,60
Shrinkage, % max	12,50	15,50	14,80
Dry Resistance, (kg/cm <sup>2</sup> )	45,00	55,00	50,00
Water Absorbtion, %	0,50+/-0,2	0,20+/-0,2	0,30+/-0,2

### Color after firing at 1200°(average results)

L	80,75	84,17	82,05
A	3,05	3,00	3,07
B	16,18	12,40	14,56
Residue on sieve 0.063, average	1,00	0,30	0,40
General application	All types of tiles	Insulators, All types of tiles	Insulators, All types of tiles