

ZIGMA INTERNATIONAL

PROCESSOR OF FUNCTIONAL FILLER

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TECHNICAL DATA SHEET

PRODUCT : BRITONZ (SPECIALITY KAOLIN) DATE: 03.10.2006

BRAND : BRITONZ

SI NO.	CHEMICAL PROPERTY	STANDARD RANGE IN %
1	SiO ₂	52 _{±2}
2	Al ₂ O ₃	45 _{±2}
3	CaO	<0.016
4	TiO ₂	<0.9
5	Na ₂ O	<0.13
6	Fe ₂ O ₃	<0.50
7	K ₂ O	<0.35
8	MnO	<0.5
9	MgO	<0.08
10	Loss on Ignition	Max 0.5
SI NO	PHYSICAL PROPERTY	
1	Brightness (ISO)	92 _{±2}

2	Color	White
3	Yellow Index	2.2-2.5
4	pH - value	06-07
5	Bulk Density (Gms/cc)	0.30-0.32 gm/cc
6	Refractive Index	1.62
7	Moisture (% Max.)	0.5
8	Flow Point (ml/100gms)	80-100
9	Wet sieve residue 325mesh	0.05-0.01

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TECHNICAL DATA SHEET

PRODUCT : **POZZOFILZ (METAKAOLIN)** DATE:03.10.2006

BRAND : POZZOFILZ

SI NO.	CHEMICAL PROPERTY	STANDARD RANGE IN %
1	SiO ₂	50%-55%
2	Al ₂ O ₃	38%-42%
3	CaO	1%-3%
4	TiO ₂	0.8-1.2
5	Na ₂ O	<1%
6	Fe ₂ O ₃	0.2-0.5
7	K ₂ O	<1%
8	MnO	<0.5%
9	MgO	<0.1%
10	Loss on Ignition	Max 1.5%

SI NO	PHYSICAL PROPERTY	TEST METHOD	STANDARD RANGE
1	True Density	Cylindrical in 100ml	0.3036g/cc
2	Bulk Density Tapped	Cylindrical in 100ml	0.5461g/cc
3	Specific Gravity at room temp @ 22deg C	Piconometer	2.30