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Technical Data for Calcined Bauxite

Chemical Composition of Bauxite		
Compound	Chemical Formula	Typical Content %
Aluminium Oxide	Al ₂ O ₃	70-90
Silicon Dioxide	SiO ₂	5-8
Titanium Dioxide	TiO ₂	4.5-6
Iron Oxide	Fe ₂ O ₃	3-6
Calcium&Magnesium Oxide	CaO&MgO	2.5-3
Alkali Metals	Na ₂ O&K ₂ O	
Physical Parameters of Bauxite		
Bulk Density	1.3-1.4g/cc (subject to grade)	
Shape	Sub Angular	
Colour	Buff/ Grey colours	
Specific Gravity	3.0g/cc	
Hardness	8-9 moh	
Polished Stone Value	>70	
Aggregate Abrasion Value	>1.55	