



Excellens Products Inc.

**Technical Data Sheet
Brown Fused Alumina**



Date	2019		
Product /Type/Grade	Brown Fused Alumina, 1-3 mm		
Physical tests	Result*	Notes	
Mohs hardness	9.0		
Specific gravity	3.95		
Porosity (%)	---		
Refractory temperature (Celsius)	2250		
Bulk density (g/cm ³)	1.8-2.0		
Colour	Dark brown		
Chemical tests			
Aluminium oxide, Al ₂ O ₃ (%)	>95		
Ferric oxide, Fe ₂ O ₃ (%)	<0.5		
Calcium oxide, CaO (%)	---		
Sodium oxide, Na ₂ O (%) +Potassium oxide, K ₂ O (%)	---		
Titanium oxide, TiO ₂ (%)	<2.85		
Silicon oxide, SiO ₂ (%)	<1.6		
Grain characteristics & size distribution			
Grain size range	1-3mm		
Shape grain	irregular		
% passing sieve 3.35 mm (USS sieve 6)	95-100%		
% passing sieve 2.80 mm	90-99%		
% passing sieve 2.00 mm	50-70%		
% passing sieve 1.18 mm (USS sieve 16)	0-10%		

***Typical results**

Manufactured for and distributed exclusively by:



Excellens Products Inc.

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