



Excellens Products Inc.

Technical Data Sheet
Garnet sand



Date	2019	
Product /Type/Grade	Garnet sand, 1-3 mm	
Physical tests	Result*	Notes
Mohs hardness	7.5-8.0	
Specific gravity	3.9-4.1	
Porosity (%)	---	
Refractory temperature (Celsius)	---	
Bulk density (g/cm3)	1.9	
Colour	Dark brown	variable
Chemical tests		
Aluminium oxide, Al ₂ O ₃ (%)	19.5	
Ferric oxide, Fe ₂ O ₃ (%)	25.0	
Calcium oxide, CaO (%)	11.0	
Magnesium oxide, MgO (%)	5.0	
Titanium oxide, TiO ₂ (%)	1.0	
Silicon oxide, SiO ₂ (%)	38.5	
Grain characteristics & size distribution		
Grain size range	1-3 mm	
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.

excellensproducts@shaw.ca

1-604-949-1660