

Dear Friend

Please find out the result for **Garnet** as below:

Garnet Analysis:

Physical Characteristics (typical)

Bulk Density.....	2.3 T/m ³
Specific Gravity.....	4
Hardness (Moh).....	7.50 – 8.0
Melting Point.....	1250 °C
Shape of natural grains.....	sub-angular

Average Chemical Composition (Typical)

Element	SiO2	Al2O3	BaO	CaO	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SO3	TiO2
Unit	%	%	%	%	%	%	%	%	%	%	%	%
01-GA-80	39/27	19/17	<	3/97	31/71	0/09	2/53	1/8	<	<	<	0/85
01-GA-30/60	39/27	19/18	<	3/95	31/95	0/07	2/44	1/88	<	0/05	<	0/95

Sieve Analysis							
mm	mesh	12/24 Mesh	20/24 Mesh	20/60 Mesh	30/60 Mesh	80 Mesh	100 Mesh
		%	%	%	%	%	%
1.4	12	5					
0.850	20	40	10	5			
0.600	30	50	85	15	5		
0.425	40	5	5	33	40	0	
0.300	50			25	35	10	
0.250	60			17	15	40	
0.180	80			5	5	40	5
0.150	100					10	40
0.125	120						45
	pan						10

