GARNET BS
Product Data Sheet

Chemical composition - *Typical*

SiO_2	36 %
Fe_2O_3	33 %
Al_2O_3	23 %
MgO	6 %
MnO	1 %
CaO	1 %
TiO_2	< 1 %
Sol.Cl	< 25 ppm

Mesh	MM	***PERCENTAGE RETENTION** - Typical*					
		Mesh 12~24	***Mesh 20~40***	***Mesh 20~60***	***Mesh 30~60***	***Mesh 80***	***Mesh 120***
12	1.400	0~5					
20	0.850	30~40	0~5	0~5			
30	0.600	40~50	50~70	10~25	0~5		
40	0.425	0~5	10~20	25~50	10~20	0	
50	0.300		0~10	25~45	40~60	15~30	
60	0.250			5~15	10~25	20~40	
70	0.212			0~5	0~5		
80	0.180					20~50	0~10
100	0.150					0~10	20~40
120	0.125					0~5	40~60
140	0.106						0~10

Physical Characteristics - *Typical*

Specific Gravity	4.1
Mohs Hardness	7.5+
Acid Solubility (HCL)	<1.0 %
Bulk density	145 lb/ ft3
Colour	Red-pink
Grain shape	Sub angular
Toxic substances	none
Conductivity	<125 µS/cm

Recommended Blasting Conditions

Pressure at nozzle	> 90 psi
Air capacity	> 350 cfm/blast
Material flow	300-500 lb/hr
Nozzle type/size	> #6 venturi
Working distance	18 ~ 24 inches (50 ~ 60 cm)

Packing

- 1000 / 2000 Kg HDPE Bulk Bag with PVC Liner.
- 40 / 80 Nos. x 25 Kg HDPE Bag Stuffed in Bulk Bag
- 40 / 80 Nos. x 25 Kg 3 Play Paper Bag Stuffed in Bulk Bag.
- Other Packing Mode up on Customer Request.

Mineralogical Content - *Typical*

Almandine garnet	97 – 98 %
Ilmenite	Less than 2.0%
Quartz (free silica)	Less than 1.0%*
Other	Less than 0.5%

* <0.5% quartz guaranteed

GMD Garnet meets every accepted and existing chemical limits for free silica and other heavy toxic metals. Garnet being a natural product, its chemical analysis is expected to vary. Variations in the size of grains occur from time to time. Although not guaranteed, the grain size distributions can be expected to be within the above ranges.

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