

## GARNET DATA SHEET

dragon-abrasives

	GT-A	Abrasives paper
	GT-B	Dry Blasting
	GT-C	Water Jet Cutting

### Chemical Composition

	Guarantee Content (%)	Typical Analysis (%)		
Al <sub>2</sub> O <sub>3</sub>	18 – 25	20.28	20.59	19.41
Fe <sub>2</sub> O <sub>3</sub>	3 – 6	5.10	3.3	5.51
SiO <sub>2</sub>	30 – 40	35.40	37.2	39.8
TiO <sub>2</sub>	0.5 – 3	2.83	0.52	1.86
CaO	1.5 – 4	3.92	2.9	3.33
MgO	1 – 5	4.5	5.09	2.56
FeO	20 – 30	26.27	29.49	25.34
MnO	0.5 - 2	1.5	0.64	0.72
Cl	<25 ppm	nil	nil	nil

### Physical Properties

Fusing Point	1200 °C				
Specific Gravity	4.2 g/cm <sup>3</sup>				
Hardness	7 - 8 Mohs				
GT-A		GT-B		GT-C	
GRIT NO.	SIZE (um)	GRIT NO.	SIZE (um)	GRIT NO.	SIZE (um)
F20	800-1000	30/60	200-600	240 mesh	45-100
F24	630-800	20/60	200-1200	200 mesh	75-150
F30	500-630	12/40	500-1200	180 mesh	90-150
F36	400-500	20/40	500-1000	120 mesh	180-250
F46	315-400	12/20	1000-1200	80 mesh	180-350
F60	250-315				
F70	200-250				
F80	160-200				
F100	125-160				
F120	100-120				
F150	80-100				
F180	63-80				
F220	40-63				