



C-150S



CHEMICAL PROPERTIES

| | |
|--------------------------------|------------|
| SiO ₂ | 55-60% |
| Al ₂ O ₃ | 33-40% |
| CaO | 0.1-0.4% |
| Fe ₂ O ₃ | 1-2% |
| TiO ₂ | 0.8-1.3% |
| K ₂ O | 1-3.3% |
| N ₂ | 30% |
| MgO | 0.1- 2.4% |
| Na ₂ O | 0.2 - 0.6% |
| Co ₂ | 70% |
| N | 30% |



PHYSICAL PROPERTIES

| | |
|--|---------------------------|
| Specific Gravity(Kg/m ³) | 700 - 850 |
| Bulk Density(Kg/m ³) | 350 - 450 |
| Particle Size Distribution | 5-150 micron |
| Compressive Strength (Kg/cm ²) | 180 - 280 |
| Sinkers | 3- 5 % MAX |
| Color | Light Grey – Light Buff |
| Melting Point | 1200 - 1300°C |
| pH in water | 6 - 8 |
| Moisture | 1 % MAX (+/- 1%) |
| Thermal Conductivity | 0.11 w/mk |
| Hardness (MOH) | 5 - 6 |
| Packing Factor | 60 - 65% |
| Shape | spherical |
| Wall Thickness | 5 - 10% of shell diameter |
| Loss on ignition | 2 % MAX |
| Oil Absorbion | 16 - 18 G/100G |



SIEVE ANALYSIS (MICRON)

| | | | | |
|--------------|---------------|---------------|--------------|--------------|
| +60 # 250 µm | +100 # 150 µm | +150 # 106 µm | -240 # 63 µm | -240 # 63 µm |
| 0% | 0 % | 0 - 5 % | 60 - 95 % | 0 - 20 % |

Note : The above value may change as per raw materials procurement and figures do not show 100% accuracy.