

**TECHNICAL SPECIFICATION CENOSPHERE GRADE - VA-PC-100**

**VA-PC-100**

**Typical Properties of CENOSPHERE**

|                                |            |
|--------------------------------|------------|
| Al <sub>2</sub> O <sub>3</sub> | 32 - 38%   |
| SiO <sub>2</sub>               | 55 - 68%   |
| Fe <sub>2</sub> O <sub>3</sub> | 1 - 2%     |
| K <sub>2</sub> O               | 1.2 - 3.2% |
| TiO <sub>2</sub>               | 0.8 - 1.3% |
| MgO                            | 1 - 2.5%   |
| Na <sub>2</sub> O              | 0.2 - 0.6% |
| CaO                            | 0.1 - 0.5% |
| Co <sub>2</sub>                | 70%        |
| N <sub>2</sub>                 | 30%        |

**Physical Properties CENOSPHERE**

|                                   |  |
|-----------------------------------|--|
| Specific Gravity (g/cc)           | 0.75 - 0.90                              |
| Bulk Density (KG/M <sup>3</sup> ) | 315 - 400                                |
| Sinkers                           | 5 - 10% Max.                             |
| Compressive Strength              | 180 - 280 KGS/CM <sup>2</sup> (3000 PSI) |
| Hardness (Moh's)                  | 5 - 6                                    |
| Shape                             | Spherical                                |
| Color                             | Grey, Light or Dark Grey - Light Buff    |
| Melting Point                     | 1200 - 1400 DEG CELCIUS                  |
| PH in water                       | 6 - 7                                    |
| Moisture                          | 0.5% Max                                 |
| Oil Absorption                    | 16-18 G/100G                             |
| Packing Factor                    | 60 - 65 %                                |
| Thermal Conductivity              | 0.11WM-1K-1                              |
| Loss On Ignition                  | 1 to 2% Max.                             |
| Wall Thickness                    | 5 - 12 % of SHELL DIAMETER               |

**SEIVE ANALYSIS OF CENOSPHERE VA-PC-100**

| <b>MORE/LESS</b> | <b>B.S.S.</b> | <b>MICRONS</b> | <b>PERCENTAGE %</b> |
|------------------|---------------|----------------|---------------------|
| MORE THEN        | 100           | 150            | NIL                 |
| MORE THEN        | 150           | 106            | 2 - 5 %             |
| MORE THEN        | 150           | 106            | 55 - 65%            |
| LESS THEN        | 240           | 63             | 35 - 45%            |

**WE CAN MAKE REQUIRED CHANGES IN THE GRADE AS PER YOUR REQUIREMENTS.**

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