



Quartz is a natural mineral mainly composed of silica which is then washed, sieved, dried and bagged. It is neutral, slightly angular and has a beige / light grey colour.

Good quality filter media is essential for monitoring and extraction wells in order to retain most of the formation material and to maximise hydraulic response.

A well screen slot size is selected to retain about 90% of the filter media itself. The filter media should be well sorted to assure good porosity and hydraulic conductivity near the screen. Good quality filter media should have a uniformity co-efficient of approximately two and made from predominantly silica.

Applications

- Extraction boreholes
- Groundwater monitoring
- Dewatering
- Piezometers (traditional method)
- Water filtration

Features

- Excellent porosity
- Wide range of sizes
- Washed, dried & bagged
- Bulk density 1.5 T/m³
- Density 2.65 gr/cm³
- 25 Kg bags

| Quartz Filter Media Grading |
|-----------------------------|
| 0.5 – 1 mm |
| 1 – 2 mm |
| 2 – 4 mm |
| 3 – 6 mm |
| 4 – 10 mm |

| Chemical Analysis | |
|--------------------------------|--------|
| SiO ₂ | >96% |
| CaO | 0.83% |
| K ₂ O | 0.86% |
| Al ₂ O ₃ | Max 2% |
| Fe ₂ O ₃ | 0.25% |
| MgO | 0.27% |
| Na ₂ O | 0.33% |