

No. 60 Sand)

Size range 0.71 – 0.25mm

Source: Leighton Buzzard, Bedfordshire
 Geology: Lower Greensand of the Cretaceous period
 Composition: Quartz
 Grain Shape: Sub-angular to Rounded

Mechanical Analysis

| Sieve Size | Typical Grading % Retained | % Cumulative Retained | Specification |
|------------|----------------------------|-----------------------|-----------------|
| 1.00 | Trace | Trace | 0 – 0.5 |
| 0.71 | 0.5 | 0.5 | 0 – 5 |
| 0.50 | 38.0 | 38.5 | 10 – 60 |
| 0.355 | 48.0 | 86.5 | 70 – 95 |
| 0.25 | 10.5 | 97.0 | 90 – 100 |
| 0.18 | 2.5 | 99.5 | 95 - 100 |

Specification in bold

| | |
|---------------------------------|-------------|
| Colour | Buff |
| Specific Gravity | 2.65 |
| Uncompacted Bulk Density | 1.56 |
| Nominal Effective size | 0.25 – 0.39 |
| Uniformity Co-efficient | <1.7 |
| pH | 6.7 |

Chemical Analysis

| | | % |
|-------------------------|------------------------------------|--------|
| Silica | SiO₂ | 97.31 |
| Alumina | Al₂O₃ | 0.13 |
| Titania | TiO₂ | 0.04 |
| Iron | FE₂O₃ | 1.71 |
| Magnesium | MgO | 0.03 |
| Calcium | CaO | 0.03 |
| Sodium | Na₂O | 0.02 |
| Potassium | K₂O | 0.07 |
| Phosphate | P₂O₅ | <0.01 |
| Manganese | MnO₂ | <0.005 |
| Chromium | Cr₂O₃ | 0.0004 |
| Loss on Ignition | L on I | 0.26 |

The above figures only relate to one specific test.

This sand is **ISO 9001:2000** accredited.

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