

## **0.90 – 0.95 E.S. Sand**

Size range 0.8 – 1.6mm

### **Application**

Used in water filtration. Produced from the best quality raw material which is washed, dried and accurately screened.

### **Characteristics**

Appearance: Rounded, sub-angular  
 Specific Gravity: Approx 2.6tonnes/m<sup>3</sup>  
 Loose Bulk Density: 1.6tonnes / m<sup>3</sup>  
 Hardness: 7 Moh

### **Mechanical Analysis**

<b>Sieve Size</b>	<b>% Retained</b>	<b>% Passing</b>
2.0	0	100
1.8	0	100
1.7	0.3	99.7
1.6	1.2	98.8
1.4	5.8	94.2
1.25	31.9	68.1
1.18	57.2	42.8
1.12	68.1	31.9
1.0	76.6	23.4
0.9	90.4	9.6
0.85	96.2	3.8
0.80	97.6	2.4
0.71	98.6	1.4
0.125	99.3	0.7

Effective Size 0.90-0.95mm      Uniformity Coefficient ≤ 1.40

### **Petrographic Analysis**

	<b>%</b>
<b>Quartz</b>	<b>50</b>
<b>Quartzite</b>	<b>18</b>
<b>Recrystallised Sandstone</b>	<b>8</b>
<b>Chert / Tuff</b>	<b>19</b>
<b>Schist</b>	<b>2</b>
<b>Weathered Granite</b>	<b>2</b>
<b>Limestone</b>	<b>2</b>
<b>Ironstone</b>	<b>&lt;1</b>

### **Particle Shape – Sub Angular to Rounded**

**Loss on Ignition:** 0.94%  
**Acid Solubility:** 1.94%  
**Free Lime:** 0.1%  
**Silica Content:** 95.7%  
**Mohs:** 7  
**Specific Gravity** 2.60 tonnes per M<sup>3</sup>  
**Bulk Density** 1.60 tonnes per M<sup>3</sup>

**Organic Content** < 0.5%

**Manufactured to BS EN 12904: 2005**

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