

MECHANICAL ANALYSIS

PRODUCT: 0.95 ES FILTER SAND

SIZE RANGE : 0.8-1.7mm

Application

Used in water filtration. From natural uncrushed raw material which is washed, dried and accurately screened and is free of any friable or agglomerated grains.

Characteristics

Appearance: Sub-angular to rounded
 Specific Gravity: Approx 2.6tonnes/m³
 Loose Bulk Density: 1.6tonnes / m³
 Hardness: 7 Mohs

Mechanical Analysis – Grading Envelope

Sieve Size	% Passing	Typical % Passing
1.7	90-100	99
1.4	50-90	76
1.18	10-60	30
1.0	10-30	14
0.90	0-10	5
0.85	0-5	2
0.71	0-1	trace

Petrographic Analysis

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

Loss on Ignition: 0.94%
 Acid Solubility: <0.1%
 Silica Content: 95.8%
 Mohs: 7
 Specific Gravity 2.60 tonnes per M³
 Bulk Density 1.60 tonnes per M³
 Organic Content <0.5%

Manufactured to BS EN 12904: 2005

