



MECHANICAL ANALYSIS

PRODUCT: 8/16 FILTER SAND

SIZE RANGE: 1 - 2mm

June 2019

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.

The sand will be resistant to degradation during normal handling, placing and commissioning works.

Characteristics

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

Mechanical Analysis – Grading Envelope

Mechanical Analysis

Sieve Size	Typical Grading % Retained	% Cumulative Retained	Specification
2.36	Trace	Trace	0 – 0.5
2.00	1.0	1.0	0 – 5
1.70	16.0	17.0	0 – 35
1.40	48.0	65.0	25 – 80
1.18	20.0	85.0	70 – 95
1.00	12.5	97.5	95 – 100
0.85	2.0	99.5	98 - 100

Specification in bold

Petrographic Analysis

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

Silica Content: **95.8%**
 Mohs: **7**
 Specific Gravity: **2.53 tonnes per M³**
 Bulk Density: **1.60 tonnes per M³**
 Organic Content: **< 0.5%**

Manufactured to BS EN 12904: 2005

