



MECHANICAL ANALYSIS

PRODUCT: 16/30 FILTER SAND

DATE: JUNE 2019

SIZE RANGE: 0.5-1mm FILTER SAND - D₁₀ 0.55-0.63

Sieve Size	Typical Grading % Retained	% Cumulative Retained	Specification
1.18	Trace	Trace	0 – 0.5
1.00	1.0	1.0	0 – 5
0.85	21.5	22.5	10 – 40
0.71	30.5	53.0	25 – 90
0.60	35.0	88.0	75 – 100
0.50	10.0	98.0	95 – 100
0.425	1.5	99.5	99 - 100

Petrographic Analysis

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

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 ³
Bulk Density	1.60 tonnes per M ³
Organic Content	< 0.5%

Manufactured to BS EN 12904: 2005

