



The filter media professionals

PRODUCT DATA SHEET

Product: FILTER COAL

Std. Specification: ES 0.8-1.0 mm UC 1.3 MAX
ES 1.0-1.2 mm UC 1.3 MAX
ES 1.2-1.4 mm UC 1.3 MAX

Appearance: Hard durable cubic sub angular particles, graded to the above specifications.

Main Applications: Filtration Media used in Water & Wastewater Treatment.

Properties

Bulk Density approx. 0.7t/m³
Specific Gravity approx. 1.45
Acid Solubility <1%
Solubility in 1% NaOH < 2%
Hardgrove Grindability 50 Max

Test Methods

AS1141.4, AWS App D
AS1289C5.1
AWWA-B100 (50% Hcl)
AWWA-B100 (@88C)
AS1038 part 20

Ultimate Analysis

Carbon	70.8%
Hydrogen	4.1%
Nitrogen	1.4%
Sulphur (less sulphur in ash)	0.2%
Oxygen by difference	7.8%
Phosphorus	0.004%

Ash Analysis

Ash 13.5% tolerance +/- 1.0%	58.1%
SiO ₂	29.6%
Al ₂ O ₃	2.43%
CaO	0.89%
MgO	0.25%
Na ₂ O	0.96%
K ₂ O	1.38%
TiO ₂	0.08%
Mn ₃ O ₄	0.68%
SO ₃	0.143%
P ₂ O ₅	0.04%
BaO	0.05%
SrO	0.01%
ZnO	0.009%
Phosphorus (in coal)	0.03%

River Sands operates and maintains a Quality Certified system in accordance with AS/NZS ISO 9001:2000.

The Quality system is third party certified by NATA.

River Sands also maintains a registered NATA laboratory.

Registration # 6898

Registration # 10470