

Physical Properties of C & S Filter Coal

Effective Size:
To Client's Requirement

Uniformity Coefficient:
1.30 standard; available down to 1.20 at additional cost, and up to 1.40 at reduced cost .

Acid Solubility:
1% maximum to AWWA B100-89

Alkali Solubility
1.5% maximum in 1% NaOH @ 88°C

Hardness:
1. Hardgrove Grindability Index 50 maximum to AS1038 Part 20

2. Friability =20% max for 15 minutes 25% max for 20 minutes

As per Watson Hawksley (Asia) Test Method

Durability:
Attrition loss of less than 0.35% per year recorded in full scale water treatment plant

Specific Gravity:
1.45 to AS1289 C5.1

Bulk Density:
660 to 720 kg/m³ AS3899

An independent NATA registered laboratory is available to test Effective Size, Uniformity Coefficient, Specific Gravity, Acid Solubility, Alkali Solubility and Hardgrove Grindability Index, and to perform any other tests required.

Backwash Rates:

C & S Filter Coal

Bed Expansion vs Backwash Rates at 20°C

Correction for water Temperature

Expansion at T°C

= $1.58 e^{-0.023T}$

Expansion at 20°C