



Technical Data



Anthracite Grade 1S (0.8mm–1.6mm)

Used as a component of dual or multi-media filters for potable water in conjunction with sand (and possibly garnet). The inclusion of a layer of anthracite above the sand ensures longer filter run times and can achieve higher filtration rates than for filters with no anthracite addition by relieving the coarse particulate load on the sand.

Produced to comply with BS EN 12909:2005 "Products used for treatment of water intended for human consumption – Anthracite".

Physical Analysis (typical):

Property	Value
Specific Gravity (reference water at 20°C)	1.4
Bulk density	680-730 kg.m ⁻³
Hardness	3 Mohs
Grain Shape	Angular
Attrition loss after 100 hrs. Backwash	2% maximum
Grindability index	50 - 70 Hardgrove
Unconsolidated Porosity	0.45

Chemical Analysis (typical):

Property	Value
Carbon content	>90%
Ash content	<7%
Volatile content	<8%
Acid Solubility (20% HCl at 20°C 24 hrs.)	2% maximum
Alkali Solubility (20% NaOH at 20°C 24 hrs.)	2% maximum

Anthracite of all grades is supplied in 25kg bags palletised and shrink-wrapped or in bulk bags



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