

PFL Filter Anthracite



Applications: Filter media in single, dual or multi - media filters.

Removes algae, bacteria and turbidity in the treatment of potable water, effluents, acids/alkalis and swimming pool water.

Characteristics: Excellent resistance to attrition, free of water soluble constituents and has a very low silica content.

Specific Gravity	1.40
Bulk Density	0.72 Tonnes / m ³ , average after backwash
Hardness	45 - 50 Hardgrove index (3 Moh).

Attrition Resistance: Less than 0.4% (100 hours accelerated washing).

Typical Chemical Analysis:	Carbon	90.0 %
	Sulphur	0.7 %
	Volatile matter	4.0 to 6.0 %
	Ash	2.0 to 4.0 %
	Acid Solubility	Between 1.0 & 1.5 % (24 hrs. at 20 °C, 10 % HCl) Less than 1.5% (24 hrs. at 20 °C.10 % NaOH).

Grades Available:	Grade	Size mm.	Effective Size mm.
	1	0.6 to 1.2	0.7 (Range 0.60 to 0.75)
	2	1.2 to 2.5	1.25 (Range 1.25 to 1.35)
	2S	1.40 to 2.50	1.55 (Range 1.45 to 1.70)
	2sS	1.70 to 2.80	1.70 (Range 1.65 to 1.80)
	Uniformity Coefficients less than 1.50.		
	Other grades and effective sizes are available on request.		

Packaging: ■ 25 kg. plastic bags, shrink wrapped on pallets
■ 0.80, 1.0 or 1.20 tonne bulk bags

Backwashing: After maximum 5m. WC. increase in pressure loss in a dual media filter:

1st Phase	5 to 10 mins. of water.
2nd Phase	lower water level until just above media.
3rd Phase	After a short interval to let the air escape, 5 to 10 mins. of water.
4th Phase	First filtration volume of water to waste.
Expansion	20 to 25% of Anthracite bed depth plus 200mm. for safety.