

Panther[®] Anthracite

Introduction:

Panther[®] Anthracite filter media is naturally selected hard clean anthracite. It is an excellent filtration medium for gravity and pressure filters, for treatment of hard and soft water, sewage, oil and acid/ alkali liquids. The hardness of anthracite ensures minimum wastage by attrition in service.

It contains 90% of pure carbon. The irregular shape of the particles offers a larger surface area per unit of volume and larger spaces between particles, which enable high filtration rates with low head losses to be obtained. The greater surface area of anthracite promotes the efficient removal of algae, turbidity and bacteria.



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The advantages of using anthracite are expressed as follows:

- Faster Filtration Speed is possible
- Longer filter runs
- Low loss of head
- Economic use of space
- Easy to handle
- Savings in wash water
- Substantial capital savings
- Long life
- Available in several sizes

Typical Specification:

Hardness:	3 - 4 moh
Specific gravity:	1.45 to 1.50 g/cm ³ or as per customer requirement
Attrition loss data:	0.4 - 0.5 % max after 100 hours backwash
Uniformity coefficient:	1.3 - 1.4 max or as per customer requirement
Fixed carbon:	90% min
Volatile matter:	6 - 7 % max
Moisture:	2 - 4 % max
Bulk density:	800 - 830 kg/m ³
Mud content:	1.5% max
Acid Solubility:	30% HCl: 3.5% Max, 10% HCl: 1.5% Max, 10% NaOH: 1.5% Max
Ash Content:	3.5% Max

Particles Size:

As requested

Packing:

In 50 liters bags (32 bags per Pallet) or 500 kg jumbo bags or as per special requirement.