



WALNUT SHELL FILTER MEDIA



ADVANTAGES

- **Natural Filtration:** Walnut shells provide a natural and sustainable filtration solution.
- **High Filtration Efficiency:** Effective removal of oil, suspended solids, sediments, and organic matter.
- **Low Dust Generation:** Minimizes maintenance and cleaning requirements.
- **Renewable and Biodegradable:** Environmentally responsible material.
- **Chemically Inert:** Does not alter water chemistry.
- **Low Uniformity Coefficient:** Provides consistent filtration performance.
- **Long Service Life:** Requires less frequent replacement.

PHYSICAL PROPERTIES

- Color: Light to dark brown
- Particle Size: 1.0 - 1.4 mm
- Uniformity Coefficient (UC): 1.5
- Specific Gravity: 1.2 - 1.4 g/cm³
- Hardness (Mohs Scale): 2.5 - 3.0
- pH: 7.5
- Moisture Content: < 11 %
- Bulk Density: 625 Kg/m³
- Modulus of Elasticity (Mpa) : 1230
- GSA Specification: AA 1722 Type 2
- Void: 7.1 %
- Flash Point: 380 Deg F
- Flammable Limit: 470 Deg F
- Odor: No Odor

CONDITIONS FOR OPERATION

- Recommended Bed Depth: 12 - 24 inches
- Backwash Flow Rate: 15 - 25 (m/h)
- Service Flow Rate: 5 - 15 (m/h)
- Operating Temperature: 40°F - 100°F (4°C - 38°C)



STORAGE AND MATERIAL HANDLING

- Store in a dry, cool place away from direct sunlight.
- Keep the packaging tightly sealed when not in use to prevent moisture absorption.
- Avoid exposure to extreme temperatures and humidity.
- Do not place heavy objects on the packaging to prevent crushing the contents.
- Protect from contaminants and chemicals that could affect the quality of the filter media.
- Do not ingest or inhale the filter media.
- Use appropriate personal protective equipment (PPE) when handling.
- Dispose of used filter media according to local regulations
- Handle with care to avoid dust generation. Use appropriate personal protective equipment (PPE) If required.

ORDERING INFORMATION

Description	Cu.Ft / Bag	Wt. / Cu.Ft	Bags / Pallet	Weight / Pallet	Pallet Dimensions
Walnut Media 1.0 -1.4 mm	1	50 Lbs	20	470 Kgs	45" x 45" x 33"

* Weight Per Cubic Foot is Approximate.

* Custom Sizes Available Upon Request.

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Please note that specifications may change without prior notice.