

Walnut Shell

Fiber%:90.4%

Oil%: 0.4%

Water%:8.7%

Hardness MOH: 2.5-3.0

Specific gravity:1.28

PH: 4-6

Color: light brown

Grain Shape: Appears granular or powdery depending on grade



Walnut shell abrasive is a versatile media that is crushed carefully, ground and classified to standard mesh sizes for specific uses. They vary from abrasive grits to fine powders. Therefore, walnut shell abrasive have a wide variety of applications, especially in industrial areas, since they have unique physical characteristics and chemical properties.

The Walnut Shell Grain can be used in cleaning and blasting Molds, Apparatus, Plastics, Gold and silver jewelry, Glasses, Watches, Golf Club, Barrette, Buttons etc as blasting materials, polishing materials and also can be used in producing Grinding Wheel as the materials of forming air hole.

Advantages of Walnut Shell

- ① It has multi-faceted microporosity, strong interception power and high removal rate of oil and suspended solids.
- ② with multi-ribbon and different particle size, forming deep bed filtration, enhanced oil removal capacity and filtration rate.
- ③ with hydrophobic oleophilic and suitable specific gravity, easy to wash back, strong regenerative power.
- ④ the hardness is large, and it is not easy to corrode by special treatment, no need to replace the filter material, only 10% per year, reducing maintenance and repair time and improving utilization. Walnut shell is a natural rolling material. It can not damage the surface of the workpiece and has good polishing effect.

Specifications

Abrasives: 5, 8, 12, 14, 16, 20, 24, 30, 36, 46, 60, 80, 100, 120, 150, 200 meshes.

Filter material: 10-20, 8-16, 30-60, 50-100, 80-120, 100-150 mesh

Leakage plugging agent: 1-3,3-5,5-10 mm

Appearance	Granular
Color	Brown
Flash Point	193°C (380°F)
Hardness	MOH 2.5-4
Free moisture(80°C for 15 HRS)	3-9%
Oil Content	0.25%
Volumetric Weight	850kg/m ³
Dilatibility	0.5%
Particle Shape	Irregular
Proportion	1.2-1.5g/cm ³
Bulk Density	0.8g/cm ³
Wear Rate	≤1.5 %
Rind Puffing Rate	3%
Void Ratio	47
Oil Removal Efficiency	90-95%
Suspended Solids Removal Rate	95-98%
Filtration Rate	20-26m/h
Backwashing Strength	25m ³ /m ² .h

Application

① Walnut shell is mainly used for porous materials, polishing materials, water filter materials, precious metal polishing, jewelry polishing, polishing grease, wooden hull, jeans polishing, bamboo and wood products polishing, oily wastewater treatment, degreasing.

② Walnut shell filter material widely used in oil field, chemical industry, leather and other industrial wastewater treatment and urban water supply and drainage engineering, is the most ideal water purification filter material of various filters.