



Walnut Shell Abrasive

Opta Minerals your source for Blast Cleaning Abrasives:

Aluminum Oxide
Blackblast - Coal Slag
Chilled Iron Grit
Corn Cobs
Ebonygrit - Copper Slag
International Garnet
Garnet
Glass Beads
Greengrit - Crushed glass
Plastic Media
Powerblast LS - Staurolite
Super Steel Shot
Super Steel Grit
Ultrablast - Nickel Slag
Walnut Shells
Blast Cleaning Equipment

Contact Us

Our sales team is ready to help you to determine the right product for your job.
For more information please call us:
Toll-free: 888-689-6661
Tel: 519-720-9694
E-mail: info@optaminerals.com
Visit: www.optaminerals.com

Walnut Shell abrasive is a hard and fibrous product made from crushed walnut shell in accordance with International Trade Standard. It is the most common type of soft abrasive for industrial use. Walnut Shell has excellent durability and is now widely used to blast clean and polish soft metals, glass, fiberglass, wood, plastic and stone.

Walnut Shell is used in both tumbling and vibratory applications for polishing gems and jewelry. It also works as a de-burring and de-flashing product for molding, casting and electrical parts.

Walnut Shell is ground to various sizes ranging from coarse to extra fine, allowing for a fine degree of control of the desired finish. Like other soft media, Walnut Shell cleans and removes matter from surfaces without damaging the underlying material.



Uses include:

- Removal of paint, flash, burrs and other flaws in plastic, alloy die casting and electronics
- Cleaning automotive parts
- Cleaning aircraft engines and turbines
- Removing graffiti
- Architectural cleaning and restoration of steel, wood, brick stone or concrete
- Polishing and cleaning of fine metals and alloys

ADVANTAGES OF WALNUT SHELL ABRASIVE

- Wide range of grades available, including custom orders
- Gentle - clean surfaces without damaging underlying material
- Porous – can be used to absorb contaminants
- Organic: renewable and environmentally friendly
- 100% silica-free
- Mil-spec approved: MIL-G-5634
- Re-usable

AVAILABLE SIZES AND PROFILES

Walnut Shells is available in more than 15 sizes. We stock the following sizes:

6 – 10 Mesh (coarse), 8 – 12 Mesh (coarse), 12 – 20 Mesh (medium), 18 – 40 Mesh (fine)

Other sizes available on request.

TECHNICAL SPECIFICATIONS

Symbol	Percentage
N	0.10%
Cellulose	40/60%
Lignin	20/30%
Methoxyl	6.5%
Cl	0.10%
Ash	1.5%
SiO ₂ (Crystalline Silica)	0.0%

CHARACTERISTICS

Colour:	Light Brown
Bulk Density (dry packing):	22-74 lbs/ft ³
Specific Gravity:	1.2 – 1.4
Grain Shape:	Sub-angular to Angular
Solubility:	0.5/1.0
Hardness:	3 - 4 Mohs

PACKAGING

50 lb paper bags, 40 bags/pallet