

LUSTERSHEEN

STAINLESS STEEL WOOL – BRONZE WOOL

Information

In addition to plain carbon steel, other materials can be made into metal wool. The most common types of special wools are stainless steel and bronze.

The standard format for special wools in small quantities is the 5-pound reel. A web of metal wool approximately 1/4" thick by 4" wide is wound onto a 2-3/8" ID fiber core to an outside diameter of about 8-12" and weighing exactly 5 pounds net. Six reels per case or 30 pounds net weight. All products are about 125 feet of web per 5-pound reel.

Special wools possess several important properties that make them suitable for use in a wide range of different applications.



Benefits

- **Gentle Abrasiveness** - Unlike sandpaper and other grit-based abrasives that scratch away material with sharp points, metal wool fibers perform like thousands of tiny planes on a surface. The result is a smoother surface after sanding and a better result after finishing.
- **High Aspect Ratio** - The shaving of wire into metal wool is an economical method to produce fine metal fibers. Metal fibers have many chemical and physical properties that make them ideal for many applications including thermal management, chemical reactions, electrochemistry, and composite reinforcement.
- **Corrosion Resistance** - Stainless steel, brass and bronze wool offer excellent corrosion resistance when used in wet applications, or where exposure to the environment would cause discoloration or degradation.
- **Design Flexibility** - Metal wool can be efficiently manufactured into many forms that allow easy integration into final applications. From chopping into low aspect ratio fibers for friction materials to forming textile-like metal fiber fabrics, metal wool is the material of choice for many OEM applications.

Materials

Stainless steel wool is made from AISI 434 stainless steel. Bronze wool is made from a "lead-free" silicon-bronze alloy.

Product Details

Grade	Wire Size of the woven web
Extra Coarse	104 M / 0.00409 in / 0.10400 MM
Coarse	94 M / 0.00370 in / 0.09400 MM
Medium	79 M / 0.00311 in / 0.079 MM
Fine	59 M / 0.00232 in / 0.05899 MM
Extra Fine	42 M / 0.00165 in / 0.04199 MM

For more information, please call 866-343-3366
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Lustersheen Stainless Steel Wool

15 lb plus Bulk Reels

EXTRA COARSE: Compares to # 4 Steel Wool Average Fiber Width: 104 microns (0.105mm)	MEDIUM: Compares To # 1 ~ #2 Steel Wool Average Fiber Width: 80 microns (0.08mm)	FINE: Compares TO # 0 ~ #00 Steel Wool Average Fiber Width: 59 microns (0.059mm)	EXTRA FINE: Compares TO # 00 Steel Wool Average Fiber Width: 42 microns (0.042mm)
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Important Note: The Lustersheen stainless steel 434 reels are bulk reels weighing approximately 15 pounds per reel. Reels vary 14.5 to 17 lbs.

The reels are wound from a continuous woven web 4" wide that is about 3/8" thick (but varies). The length of the web can vary a lot. For estimating length of the web we advise allowing 15 to 18 feet per pound.

Stainless Steel Wool is great for dozens of uses, including the filtering of minerals like gold and silver as well as gases and liquids. It is especially effective when used as a matrix in conjunction with High Gradient Magnetic Separators in the processing of clay slurry.

Our stainless steel wool is also the product of choice for packing custom mufflers for motorcycles and automobiles. Stainless steel wool is a better packing material for this application than the cheaper and less durable glass wool often used by low-cost muffler manufacturers. Stainless steel wool is not affected by the pressures and hot gases found in vehicle exhaust and, unlike glass wool, will not compact and degrades less over time. The ideal choice for many plant maintenance and filtration applications, Stainless Steel Wool withstands the high temperatures common in industrial processes and effectively fights rust and corrosion on metal surfaces without the shedding of rust-prone fibers.

