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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

www.SteelWool.biz

24 hr Fax & Order Line : 212-504-9550