Metric Felt Company

Wool Felt Products and Industrial Textile Conversion Manufacturing

Design Challenges and Application Opportunities

Wool felt is amazingly durable in many applications. It resists aging and it remains dimensionally stable for decades.

Felt functions normally in temperatures ranging from (-) 60 degrees Fahrenheit to (+)180 degrees Fahrenheit — even up to (+)250 F. if allowed to regain its natural moisture periodically.

It is inert to most hydrocarbons as well as most other chemicals. It even resists acids. However, wool fibers can be damaged by alkaline substances.

It does not ignite easily and usually extinguishes itself unless exposed to constant temperatures above its ignition point.

It holds its strength and resilient properties. Wool felt can be stressed to just under its elastic point repeatedly for years and still snap back to its natural shape. Piano hammers are a good example of this characteristic.

Typical die-cut felt parts

Felt bonded to metal.

Manufacturability of Felt

It can be machined.

It can be cut, ground and formed like metal in appropriate densities.

It can be die-cut into intricate, high-precision shapes.

It can be heat formed.

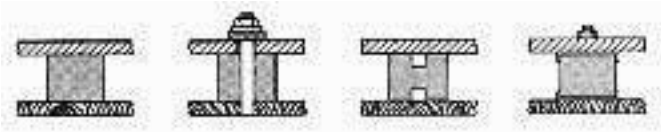
It can be bonded to almost any surface

Felt Wheel Densities & General Applications

Felt wheels are available in soft, hard, and rock hard densities for polishing applications on glass to metal surfaces.

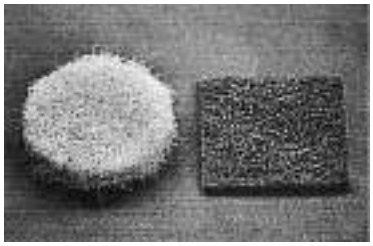
Fuel Filters, Air Filters, Vapor Filters

Wool felt can exclude particles down to 0.7 micron. It is adaptable to virtually any filter configurations. Plugs, accordion-pleated cartridges, sewn bags, and drum heads are among the most common. However, the versatility of felt lends itself to many unusual and critical filtration situations.



Mounting Pads, Shock Absorbers, Vibration Dampers

Felt absorption mounts can reduce the vibrating energy of machines by as much as 85 percent with proper application. Sensitive instruments can be similarly protected from floor and counter vibrations. In some



Felt Provides Design Solutions for Many Situations

Roller Bearing Seals
Seamless Felt Belts and Sleeves
Deburring Media
Air and Gas Handling Gaskets
Helmet Liners
Grease Retention
Protective Packaging
Finishing Pads
Polishing Pads

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