



SA.CO.FIBRE SRL

Art. **AEREA 808** (Multiflowered Comp: 60% Wool)

Origin of the Material:

For over 30 years, our millefiori product has been crafted using recycled materials from preconsumer and post-consumer textile industries, exemplifying a virtuous example of a circular economy. This approach aims to reduce waste and maximize the value of existing materials, thereby decreasing reliance on virgin resources, and minimizing environmental impact.

Additionally, the use of recycled materials creates positive social impact by generating job opportunities in the recycling industry and promoting social responsibility among companies involved in their production and usage.

Results and Testing:

The regeneration process of the material involves meticulous sorting and separation of textile waste, resulting in a product characterized by several qualities: such as the absence of metallic residues, low dust content, and decent resilience. The material has been tested for composition according to the European System nr 10007/2011, and it exhibits phono sorption capability. Its flammability has been tested on finished products derived from the use of this material using the DIN 52210 system, while its odor has been tested with the VDA 270 system.

Product Specifications:

- Lightweight specific weight
- Cost-effective
- Sound-absorbing
- Thermal insulation power
- Flame-resistant

Uses and Applications:

The material's thermal and sound-absorbing characteristics make it highly versatile in various applications. Thanks to the presence of wool, it possesses excellent thermal insulation capacity, making it suitable for industries such as automotive, aeronautics, and wheeled transportation. It contributes to improved energy efficiency, reduced operating costs, and lower environmental impact. Additionally, the material is used in the appliance industry to reduce heat radiation and absorb noise, enhancing the quality and comfort of household products and promoting environmental sustainability.

Moreover, in the construction sector, the material serves as a thermal and acoustic insulator, improving the energy efficiency of buildings and reducing energy consumption.