

## Main Properties of Natural Sheep Wool

**Wellness** Sheep wool has many natural properties that prove to be beneficial for our health, well-being and comfort. Wool products, for example, can offer UV protection, moisture control, thermal insulation, breathability, acoustics, and the absorption of toxic chemicals into the atmosphere. Environmental Friendly contains no formaldehyde, 100% VOC free, no chemical irritants, and free of harmful substances.

**Air Purification** The wool naturally repels dirt and naturally regulates indoor air humidity, while it is resistant to moths. Thus, sheep's wool is a non-allergenic natural product. It can absorb up to a third of its weight in water and release it again. It can also filter formaldehyde from the air and transform it into harmless substances.

**Naturally Flame-Retardant** It is a very natural fibre accepted in public places such as hotels, offices and theatres. In relation to the commonly used textile fibers (cotton, polyester, acrylic and nylon), natural wool is widely recognized as the most flame retardant. This property in terms of flame comes from the naturally high content of nitrogen and water in its fibre. Because of this, wool requires higher levels of oxygen in the environment to burn.

**ECO Biodegradation** Wool is made of keratin, the same protein as human hair. Wool grows naturally on sheep just like our hair grows. Through biodegradation, micro-organisms in soil or water break down matter and consume it. These micro-organisms break down during their life cycle. This is how biological life cycles from one to the next.

**Anti-Static** The wool retains its internal moisture, making it less prone to static electric charge. This is an important factor in the operation of electrical/electronic equipment.



***As natural as possible;***  
*sheep wool,*  
*a regenerative raw material*

More info at:

<https://www.woolmark.com/fibre/>

<https://iwto.org/>