

## Technical Datasheets

### Industrial Wadding

Wadding is a soft, fibrous material made from natural fibers (such as cotton) or synthetic ones (like polyester or polypropylene), randomly arranged and compacted. It is widely used in various industrial sectors due to its lightness, breathability, and filtering capacity.

#### Main industrial uses:

- Aquarium filters: traps solid residues and improves water quality. Non-toxic, permeable, and easy to replace.
- Extractor hoods: captures grease and dust; can be combined with activated carbon.
- Air filtration (HVAC, spray booths): used as a pre-filter for dust control.
- Thermal and acoustic insulation: applied in construction, automotive, and household appliances.
- Packaging and padding: protects items, fills cushions, mattresses, and jackets.

#### Key features:

- Lightweight, soft, and flexible
- Available in various thicknesses and densities
- Breathable, cost-effective, and easy to process
- Can be treated (flame-retardant, antibacterial, water-repellent)

#### Limitations:

- Some types degrade when exposed to moisture
- Must be replaced regularly in filtration systems
- Not suitable for chemical filtration unless specifically treated