Spunbond Bicomponent
RadiciGroup runs a spunbond sustainable production line provided with a bicomponent technology, reducing energy consumption and widening the range of technical features. The possibility of using different polymers (at least two), in the sheath and in the core, together with the versatility of the technology, allow RadiciGroup to approach new markets and to offer tailor-made solutions to customer requests concerning performance and efficiency.

Certifying processes


Main properties

- **Basis weight** from 10 to 150 gr/m² with good homogeneity
- **Wide range of colours available** (almost 100)
- **Standard sesamoid and 3D patterns to enhance softness, visual appearance and strength**
- **Monolayer nonwovens allow the material to be more compact**
- **High resolution print thanks to the compact structure and smooth surface of the nonwovens**
- **Combination of different raw materials and embossing patterns for tailor made products**

Application sectors

- **Medical**
- **Hygiene**
- **Protective apparel**
- **Roofing and Building membranes**
- **Automotive**
- **Agriculture**
- **Filtration**
- **Ho.Re.Ca**
- **Furniture**
By a proper usage of different Polypropylenes and related CoPolymers it is possible to stretch mechanical properties out of the standard boundaries of monocomponent PP spunbond.

This is the ideal solution to obtain high elongation in the nonwoven: PE enhances softness and drapeability, while PP guarantees important technical properties such as resistance.

The right combination to reach high resiliency and resistance and to guarantee better thermal stability in extreme conditions.

Calendering pattern: by means of a special bulky pattern it is possible to enhance the softness, textile touch and friction factor reduction.
RadiciGroup.
Inside your world.

RadiciGroup is one of the most active Italian chemicals manufacturers at an international level. RadiciGroup's diversified businesses operate worldwide and are focused on Specialty Chemicals, High Performance Polymers, Advanced Textile Solutions. Synergistic vertical integration, of polyamide production in particular, is one of RadiciGroup's strengths. Indeed, the Group has total control over its production chain, from chemical intermediates, such as adipic acid, to polyamide polymers, engineering polymers and synthetic fibres. RadiciGroup products are exported all over the world for use in the following sectors: apparel, sports, furnishings, automotive, electrical/electronics and household appliances.

Sustainability

Every day at RadiciGroup we work to make circularity our business model. We optimize the use of materials while fine-tuning our processes, eliminating waste, promoting recyclability from the earliest product design phases. We are always looking for low-impact solutions in terms of natural resources and energy. We rely on certified management systems for Safety, Environment and Energy to keep our companies in line with the highest sustainability standards.

Last 10 years’ milestones:

-17.5% Energy use per ton processed
-61.5% CO₂ Emissions per ton processed
-8.6% Water use per ton processed

Data Source: RadiciGroup Sustainability Reports