



PP Spunbond Monocomponent

One product, many solutions.

Dylar® spunbond is a nonwoven fabric that is comprised of filaments arranged in a random manner and **thermally bonded** using a **calendering process**. **Polypropylene**, in granule form, is extruded and made into thin filaments, forming a veil that is bonded by a calender with a smooth cylinder and an embossed one that determines the pattern of the nonwoven.

Dylar® spunbond can be used for **many applications**: thanks to **different weights and colours**, the company can offer **tailor made solutions** to its customers.



It is available in weights from 12 to 150 gr/m² and in a wide range of colours (almost 100) and applications to satisfy every customer requests.

Certifying processes

The company is certified according to ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 for the management of the quality, environmental, and safety processes.

Application sectors



Roofing and Building
membranes



Automotive



Agriculture



Protective apparel



Medical



Filtration



Ho.Re.Ca



Furniture

High technical properties



A-UV

Dylar® PP spunbond **A-UV** has a lifetime **5 times longer** than a standard PP spunbond (1000 hrs vs.200 hrs of exposure, following the ISO 4892-3 norm).

The Dylar® spunbond **A-UV&TR** is **8 times stronger** than a standard PP spunbond.



Enhanced and tailor made mechanical properties

By means of its technological flexibility, Dylar® PP spunbond can be offered with tailor made mechanical properties. **High Tensile Strength Machine Direction (MD)**, **Isotropy** (MD=CD for all the mechanical properties), **High Tear Strength and Elongation control** (from 50 up to 200% at breakage) can be achieved by finely tuning up raw materials quality and relative contents and process conditions.



Flame retardant

It is intrinsically self extinguished. In the need of boosting the flame retardancy of a composite comprised of spunbond and other films or coatings, the Dylar® PP spunbond FR is the right companion for **achieving the ultimate flame retardancy levels required by the most common norms** like DIN 75200, EN ISO 11925 and FMVSS302 (ISO 3795). Dylar® spunbond FR is an HALOGEN FREE product.



Food Contact

It is comprised of raw materials and additives that are compliant with the Reach EC 1907/2006. **It is in compliance with the EU 10/2011 Regulation, dealing with plastic materials and articles intended to come into contact with food.** That is extremely important, for example, in case of using Dylar® PP spunbond for disposable tabletop.



Low voc & fog (svoc) emissions

It can be supplied in a special version where **the emissions of Volatile Organic Compounds**, up to C25, and the Semi Volatile Organic Compounds, from C14 to C32 (these last ones are responsible for fogging on the inside of vehicle window glass), **are below a certain threshold**, in compliance with the German norm VDA 278 (VDA is the German Association of the Automotive Industry).



Antistatic

In case of protective clothings or seat car covers, Dylar® PP spunbond AS is the right solution for **preventing the build up of static electricity**. That is obtained by reducing the intrinsically high surface resistivity of polypropylene, expressed in Ohms and measurable following the norm EN ISO 1149-1. Dylar® PP spunbond AS retains a surface resistivity lower than 10⁹ Ohms for not less than 6 months after production, in proper storage conditions.



Other treatments

Possibility to customize the final spunbond properties giving hydrophilicity, enhanced hydrophobicity or antibacterial properties.

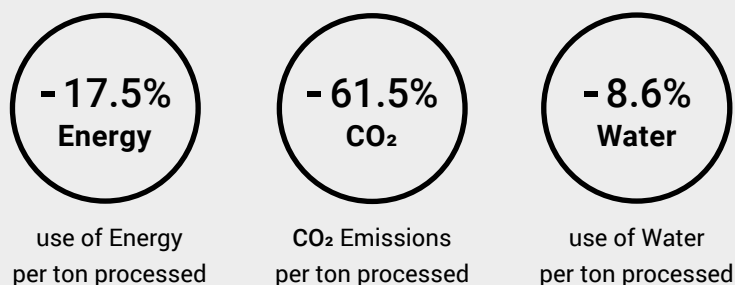
RadiciGroup. Inside your world.

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:



Data Source: RadiciGroup Sustainability Reports



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