



PRESS RELEASE

Bergamo, 01 April 2014

RadiciGroup nonwovens: Dylar® specialities at Index 14.



Geneva, 8-11 April 2014 – *INDEX 14*, the 11th edition of the triennial world's leading nonwovens exhibition, is returning to Geneva, Switzerland. Among the exhibitors is RadiciGroup, which is showcasing its range of nonwovens sold under the Dylar® brand name.

The focus will be on **Dylar® Spunbond Nonwoven specialities** with various functionalities: from anti-UV and UV Plus to flame retardant and antistatic. All versions feature better than average mechanical characteristics. The functional properties of these materials make them ideal for applications in the **automotive, filters, roofing, furnishings, agricultural and HORECA industries**, as well as for **protective and single-use items**.

1981-2014: [INDEX 14](#), the 11th edition of the triennial world's leading nonwovens exhibition, is returning to Geneva, Switzerland. In this perfect venue, the latest developments and the most innovative technologies in the field will be on display to the public from 8 to 11 April 2014. More than 12,000 visitors are expected to attend. At this important event, RadiciGroup will be represented by its ancestral production company Tessiture Pietro Radici, which is exhibiting its range of Dylar® spunbond nonwovens. The focus will be on:



HIGH TECHNICAL PROPERTIES

ANTI UV and UV PLUS

FLAME RETARDANT

ANTISTATIC

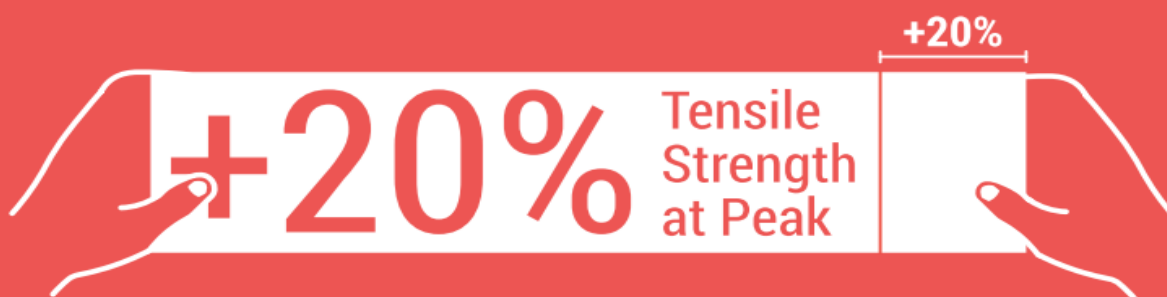
Dylar® products, available in a wide range of weights, widths and additions, ensure benefits such as superior quality, ease of workability and excellent performance. Below are shown the **prized characteristics of Dylar® that our customers rely on for applications in a range of sectors** – construction, automotive, protective clothing, single-use clothing, as well as agricultural, furnishings, technical/industrial and HORECA.

EXCELLENT TECHNICAL PROPERTIES: TENSILE STRENGTH AND ISOTROPY

High Technical Properties

Tensile Strength

is the maximum stress that a material can withstand while being stretched or pulled before failing or breaking.



Isotropy

is uniformity in all orientations, both Cross Direction (CD) and Machine Direction (MD).

In standard spunbond PP nonwovens MD > CD



DYLAR® PP spunbound performance can reach: MD/CD=1

POLYPROPYLENE SPUNBOND NONWOVENS WITH EXCELLENT ANTI-UV PROPERTIES
SPECIALLY SUITED FOR APPLICATIONS IN THE FOLLOWING SECTORS:

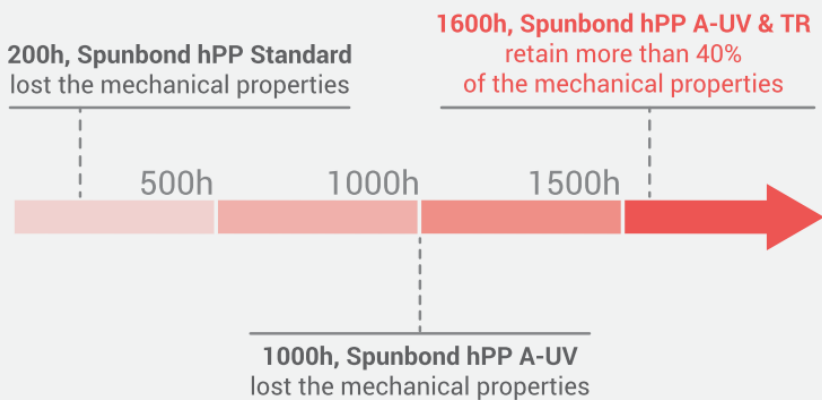
- **Roofing** (**roofing membranes** and **insulating mats** used to protect and insulate buildings).
- **Agricultural** (**sheets/cloths** used to protect plants and land from aggressive atmospheric agents, while ensuring the needed moisture; **coverings for mulching** the soil around crops to prevent weed seed germination).



A-UV

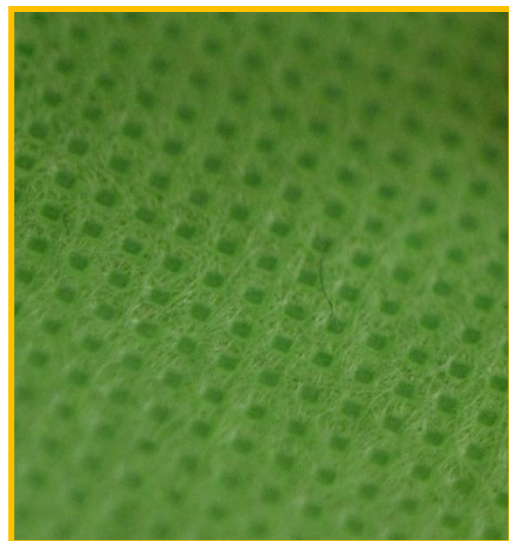
UV degradation occurs when nonwovens are exposed to the influence of sunlight, rain, temperature, and oxygen.

This type of degradation is caused primarily by the UV content of sunlight, which initiates the photo-oxidation process.



The Dylar® UV PLUS version has a greater UV ray protection factor than the average factor of products commonly available on the market.

POLYPROPYLENE SPUNBOND NONWOVENS IDEAL FOR APPLICATIONS REQUIRING FIREPROOF AND FLAME RETARDANT CHARACTERISTICS.



From roofing to automotive, furnishings and filters, Dylar® nonwovens with **halogen-free flame retardant**

additives ensure maximum reliability and quality while complying with the strictest safety regulations.

Flame retardant

Dylar® Flame Retardant PP spunbond

can prevent fires from starting or limit the spread of fire and minimize fire damage.



DIN 75200 (AUTOMOTIVE)

Determination of burning behaviour of interior materials in motor vehicles.



EN ISO 11925 (ROOFING/BUILDING)

Reaction to fire tests - Ignitability of building products subjected to direct impingement of flame.



FIRA International Ltd (FURNITURE)

Furniture Industry Research Association Certification: Schedule 4 Part II & Schedule 5 Part III

HALOGEN FREE PRODUCT

“In collaboration with our customers, we develop flame retardant solutions for all needs,” said **Marianna Panico**, of *Tessiture Pietro Radici R&D*. “We customize Dylar® functionalities to specific customer requirements. In our FR target markets, nonwovens are a semi-finished product, which our customers process and assemble differently from one another depending on their final applications. We can tailor

the semi-finished product by developing the best solution in terms of quality, performance and price for each specific use.”

POLYPROPYLENE SPUNBOND NONWOVENS WITH ANTISTATIC PROPERTIES.

The application sectors where Dylar®'s antistatic properties are most appreciated are single-use clothing,

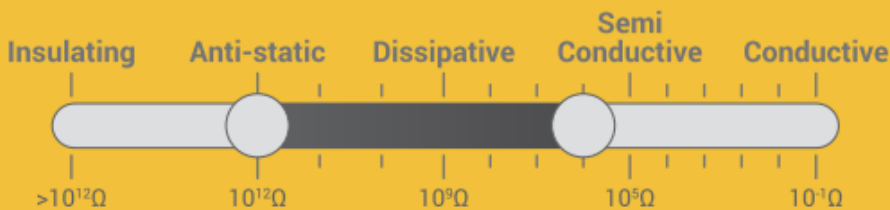
Antistatic

Dylar® PP spunbond AS prevents or inhibits the buildup of static electricity.

As requested by the different application sectors, DYLAR® PP spunbond AS can either be:

Anti-Static (Dylar® surface resistance 1×10^{12} ohms/square)

Dissipative (Dylar® surface resistance 1×10^6 ohms/square)



protective clothing and filters. RadiciGroup delivers nonwovens with built-in antistatic properties that inhibits the buildup of static electricity. Besides its antistatic products, RadiciGroup has developed a dissipative version with even better performance, thanks to special formulations invented by Tessiture Pietro Radici. The results achieved by the dissipative version of the

Dylar® PP spunbond nonwovens fall in the region near the semi-conductive range. The electrostatic charges are practically reduced to zero.

ANTISTATIC ➤➤➤➤➤ Dylar® surface resistance 1×10^{12} ohms/square

DISSIPATIVE ➤➤➤➤➤ Dylar® surface resistance 1×10^6 ohms/square

For more information on the DYLAR® product range:

Contact Sales at: mauro.cattaneo@radicigroup.com

Go to our dedicated [WEB Page!](#)

ONE CLICK to [DISCOVER DYLAR® APPLICATIONS](#)

WATCH THE [DYLAR® SPECIALTIES VIDEO®](#)

RADICIGROUP: FROM CHEMICALS TO PLASTICS, SYNTHETIC FIBRES AND NONWOVENS.

Production and sales sites in Europe, North America, South America and Asia. Diversified businesses focusing on chemicals, plastics, synthetic fibres and nonwovens. Know-how. Vertically integrated nylon production. Constant commitment to guaranteeing its customers quality, sustainable innovation and reliability. All this is RadiciGroup, a leader in nylon chemicals. RadiciGroup products are used in applications such as:

- Apparel
- Furnishings
- Automotive
- Consumer goods
- Construction
- Electrical and electronics
- Household appliances
- Sport

RadiciGroup, with its Chemicals, Plastics, Synthetic Fibres and Nonwovens Business Areas, is part of a larger industrial group that also includes textile machinery and energy businesses. www.radicigroup.com

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