

Borealis partners with NUPI for high-performance pipes based on the Bornewables™

- **ISCC PLUS-Certified renewable feedstock Bornewables™ helps NUPI to reduce its eco footprint and to stay ahead of more stringent pipe production regulations**
- **First pipe supplier in Italy to use Bornewables in high-performance polypropylene random copolymer pipes for plumbing and heating systems under the ISCC PLUS certification scheme**
- **Partnership is embodiment of the Borealis EverMinds™ spirit of taking action to accelerate the move towards plastics circularity**

Borealis, one of the world's leading providers of advanced and circular polyolefin solutions and a European market leader in base chemicals and fertilizers, has announced that Nupi Industrie Italiane (NUPI) has selected the **Bornewables™** polypropylene (PP) for the next generation of their **NIRON BETA** PP-RCT (Polypropylene Random Crystalline Structure Temperature) piping solutions for domestic plumbing, heating as well as heating, ventilation, and air conditioning (HVAC) systems designed to perform under higher stress conditions and temperatures. Manufactured with renewable feedstock, Bornewables PP offer the same material performance as virgin PP yet decoupled from fossil-based feedstock.

The partnership positions NUPI as a front-runner in the market, getting ready for the time when legislation will require the use of renewable materials in pipe production, and makes the company the first pipe supplier in Italy relying on mass balanced Bornewables PP accredited under the International Sustainability & Carbon Certification Plus (ISCC PLUS) scheme. It also aligns with Borealis' **EverMinds™** activities and initiatives to advance the circularity of plastics through partnerships across the value chain and connects with Borealis Pipe's commitment for 'Enabling life's essentials.

Going renewable with advanced material technology

PP-RCT, as defined by ASTM F2389 and EN ISO 15874, refers to a chemistry of 'Polypropylene Random Copolymers with modified Crystallinity and Temperature' resistance. Since the material

formulation uses Borneables PP as a drop-in replacement of fossil-based virgin PP, it eliminates the need for NUPI and end-users to seek renewed approval from water regulation authorities.

“By adopting the Borneables PP from Borealis for our new PP-RCT pipes, we are taking a major step forward in our efforts to reduce the carbon footprint of our products and stay ahead of more stringent regulations by which the use of renewable feedstock may soon become mandatory for plastic pipes,” says Roberta Brusi, Quality Director at NUPI Group. “The ISCC PLUS certification of the material also helps us document the renewable content in our PP-RCT formulation and pipes in a clearly traceable way.”

Reach ambitious sustainability targets faster

The ISCC PLUS accreditation is based on a mass balance accounting process that allows Borealis and NUPI to prove and quantify the effective renewable content at each manufacturing step from the Borneables material to the final pipe. The Borneables feedstock is derived from second-generation natural resources, such as waste from pulp production or residues from food processing oils.

“The use of certified renewable polymers is considered an instrumental lever to accelerate the transition from a linear to a circular plastics economy,” adds John Webster, Global Commercial Director Infrastructure for Borealis. “It mitigates fossil depletion, helps all pipes & fittings value chain players reach their sustainability targets faster and supports the industry’s aims to become carbon-neutral. Together with our pipe industry partners, we are committed to reinventing the plastics system for more sustainable living.”



Photo: Next-generation sustainable NIRON BETA PP-RCT pipe manufactured by NUPI using ISCC PLUS certified Borneables™ PP polymer from Borealis

Photo: © NUPI

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About Borealis and Borouge

Borealis is one of the world's leading providers of advanced and sustainable polyolefin solutions and a European front-runner in polyolefins recycling. In Europe, we are a market leader in base chemicals and fertilizers. With head offices in Vienna, Austria, Borealis employs 6,900 employees and operates in over 120 countries. In 2021, we generated total sales of EUR 12.342 billion and a net profit of EUR 1,396 million. OMV, the Austria-based international oil and gas company, owns 75% of Borealis, while the remaining 25% is owned by a holding company of the Abu-Dhabi based Mubadala. We supply services and products to customers around the globe through Borealis and two important joint ventures: Borouge (with the Abu Dhabi National Oil Company, or ADNOC, based in UAE); and Baystar™ (with TotalEnergies, based in the US).

Borealis and Borouge aim to proactively benefit society by taking on real societal challenges and offering real solutions. Both companies are committed to the principles of Responsible Care®, an initiative to improve safety performance within the chemical industry, and work to solve the world's water and sanitation challenges through product innovation and their Water for the World programme.

www.borealisgroup.com | www.borouge.com | www.borealiseverminds.com

About NUPI

NUPI Industrie Italiane Spa (founded in 1972) and NUPI Americas Inc (founded in 2001) together develop and manufacture plastic piping systems for use in industrial, sanitary (plumbing), HVAC, waterworks, gas, and irrigation markets. Relying on experience and constant growth, our companies have proven to be cutting-edge manufacturers, ready to meet the market's needs while protecting the environment.

With four production facilities in Italy and two in the USA, the NUPI Group of companies distribute their products in five continents through a distribution network.

More than 400 employees work together in the six facilities making a consolidated revenue of almost 150 million euros.

Nupi has been always aware of the environmental impacts of its activity and has always worked to understand how to contain emissions, reduce energy consumption, and communicate the company's commitment and social responsibility toward environmental sustainability.

www.nupiindustriaitaliane.com