

Milliken to highlight an expanding portfolio of polymer additive solutions at Interplastica 2022

The company's commitment to sustainability will be on full display

Milliken & Company, a globally recognized leader in polymer additive and colorant capabilities, continues to broaden the range of sustainable solutions it offers to help customers improve their resin formulations, compounds and end products. Milliken will be showcasing this growing product portfolio in Booth 01/A22 at Interplastica 2022 in Russia (Jan. 25-28).



Millad® NX® 8000 ECO sustainable clarifying agent for NX UltraClear™ polypropylene.

Milliken's Millad® NX® 8000 ECO clarifier is the latest addition to its market-leading Millad NX 8000 product range, used to produce the durable, fully transparent, highly recyclable material known as NX UltraClear™ PP. Millad NX 8000 ECO offers the added benefit of faster production rates, contributing to average energy savings of 10% for the production of clarified polypropylene (PP) parts — a fact independently certified by Underwriters Laboratories (UL). The U.S.-based Association of Plastic Recyclers also recognizes the ECO grade for its compatibility with plastic packaging recycling. The technology is fully compatible with PP recycling processes in Europe and poses no recyclability issues, according to RecyClass, a cross-industry initiative that works to advance plastic packaging recyclability.

Several Milliken additives serve to enhance polypropylene's performance properties. One such product is its Hyperform® HPN® family, certain grades of which will be on display at Interplastica.

- **Hyperform HPN 715** maximizes stiffness without sacrificing impact, offering converters a viable option to replace engineering plastics with cost-effective PP materials in demanding applications such as automotive components and appliance parts.
- **Hyperform HPN 909ei** offers improved aesthetics for thermoformed parts made in PP homopolymers and mini-random copolymers. It is also developed with a cleaner chemistry to address concerns related to migration, especially in food-contact applications such as food trays and drink cups. Moreover, it has one SML (Specific Migration Limit) less than the previous generation of product.
- **Hyperform HPN 500ei** not only provides high stiffness but also improves optics to thermoformed homo-PP products (i.e., drink cups and lids etc.), making these parts looking cleaner, fresher and clearer.



Hyperform® HPN® 500ei for polypropylene provides higher stiffness and improved optics for thermoforming applications such as drink cups.



Hyperform® HPN® 909ei for thermoformed portion cups.

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Milliken's DeltaMax® Performance Modifiers for PP contribute to a circular economy by enhancing the impact strength and melt-flow properties of recycled polypropylene (rPP) resins, blends and PP impact copolymers (ICPs), in many cases elevating them to the levels of virgin resins, or beyond. In particular, DeltaMax 5000a allows resin producers to balance the properties of ICP resins more effectively and thereby increase their overall performance. DeltaMax-modified resins can maximize impact strength and melt flow without compromising stiffness performance. This enables compounders and converters to incorporate up to 100% recycled PP without sacrificing performance or processing.

Milliken's DeltaFlow™ Viscosity Modifiers, meanwhile, specifically help recyclers by increasing rPP's melt flow rate for the extrusion and injection molding processes, thereby enabling converters to reduce

cycle times, boost productivity and improve processability.

Milliken's KeyPlast® colorants for plastics are versatile products that can be used by liquid and solid masterbatch producers, resin producers and compounders, and are suitable for use with a wide range of polymer and resin systems. Of particular note is the FDA-compliant KeyPlast colorant range for polyethylene terephthalate (PET), which can be used to create distinctive shades in both transparent and opaque applications. Ideal of food-contact applications, this range is well suited for beverage bottles, pharmacopeia containers, and for products that require differentiated design.

Learn about all of these products and more from Milliken experts at Interplastica 2022. Stop by Booth 01/A22 to start a conversation that can help to boost your production efficiency, enhance your sustainability and produce better overall end results.



DeltaMax® performance modifiers for polypropylene impact copolymers.



KeyPlast® colorants for PET are used to create distinctive shades in both transparent and opaque applications.



DeltaFlow™ Viscosity Modifiers for polypropylene recyclers.

MEET US AT BOOTH 1A22
INTERPLASTICA

EUROPE : eurochem@milliken.com | **NORTH AMERICA** : millichem@milliken.com
LATIN AMERICA : lachem@milliken.com | **ASIA** : asiachem@milliken.com

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