

Milliken presents

INVISTA Polypropylene to showcase its new PP impact copolymer for TWIM packaging using Milliken's DeltaMax[®] performance modifier

Milliken & Company is pleased to be exhibiting at IDDBA 2022, the International Dairy Deli Bakery Association expo taking place June 5-7 in Atlanta. In Booth 2651, the global producer of plastic additives and colorants will be highlighting its long-standing collaboration with leading U.S. polypropylene (PP) resin manufacturer INVISTA Polypropylene. Together, the partners used Milliken's DeltaMax[®] performance modifier to develop a new PP impact copolymer (ICP) that is ideal for thin-wall injection molded (TWIM) packaging.

The two partners will be showcasing the resin maker's new AP5195-LV PP impact copolymer, whose excellent physical properties are enabled by DeltaMax. This new ICP surpasses incumbent PP materials in TWIM packaging applications by delivering superior impact strength, high melt flow and good stiffness simultaneously, without the trade-offs typically seen among these properties.

"The balanced performance of Milliken's additive technology enhances the resin architecture of our new AP5195-LV PP impact copolymer," said INVISTA Polypropylene's Pierre Donaldson, who calls it "another major milestone in our successful collaboration with Milliken." Donaldson, director of PP R&D, added: "By excelling in impact, melt flow and stiffness, our novel PP material can make it easier for converters to pro-

duce strong yet lightweight packaging, boost productivity, and reduce energy and plastic use to support environmental efforts."

There is strong demand for such resins now, given the continuing growth of the thin-wall packaging sector, which market studies show surging from \$38.6 billion in 2020 and to \$55.9 billion by 2026. Injection molding accounts for the largest share of thin-wall packaging.

Thanks to the DeltaMax modifier, INVISTA's new PP impact copolymer delivers an impressive combination of properties, which translate into very real practical benefits. Its high melt flow rate supports thin-wall designs and increases throughput while reducing energy use. Its high impact strength at low temperatures protects



against breakage of refrigerated packaging when dropped by consumers or workers. Additionally, its high stiffness allows packages to be stored, transported, and shelved in taller stacks to conserve space.

The new grade is FDA compliant for food-contact applications, and so is ideal for refrigerated packaging such as large yogurt cups, and dip and deli salad containers.



Stop by **Booth 2651** to learn more from Milliken and INVISTA experts about how their various products can enhance your final packaging products or visit us at [milliken.com](https://www.milliken.com).

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