

Milliken® Performance Additives and Colorants for Plastics

Milliken creates solutions for polymer producers, converters, masterbatchers and brand owners that help advance plastic circularity, differentiate brands, elevate performance and expand markets and applications.

The development of additives is part of our drive to solve the most meaningful problems, enabling plastics to improve people's lives and transform the impact plastics have on the environment for the better.

Millad® NX® 8000

Superior transparency and enhanced sustainability

This clarifying agent yields ultimate clarity and transparency in injection molded, blow molded and thermoformed PP products allowing PP to become a viable alternative to glass or amorphous polymers like PC, PET, PVC and PS. At the same time, Millad NX 8000 also enables low-temperature processing in injection molding when compared to PP clarified with traditional clarifiers, which in turn yields both faster cycle times and energy savings.



NX® UltraClear™ Polypropylene

For injection molded packaging

Polypropylene (PP) clarified with Millad® NX® 8000 gives PP parts a transparency boost that overcomes the traditional undesirable milky appearance of PP in injection molding, creating highly-attractive transparency similar to glass.



UltraGuard™ Solutions

For improved barrier properties in HDPE and LLDPE

A line of tailored masterbatches for PE that help improve barrier properties up to 70% in finished packages, across numerous markets. UltraGuard solutions slower transmission of oxygen and moisture from structural realignment, increase product self life which can reduce costs and cause less food waste, and enable more recyclable, less complex constructions.



ClearTint™

Polymeric colorants for transparent polypropylene

ClearTint colorants offer the clearest and brightest colors for clarified polypropylene. Available in custom shades with full color matching capability and options suitable for food contact applications in the US and EU.



DeltaMax®

Performance modifiers for polypropylene

Maximizes the physical properties and processability of virgin and recycled polypropylene by enhancing the impact strength and melt flow of resins without compromising stiffness performance.



ClearShield™

UV protection in clear PET bottles

This UV Absorber gives the ultimate protection from damaging UV light to PET packaged materials such as food, beverages and consumer products.



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KeyPlast®

A spectrum of bright colorants

Yield stable, reproducible colors, and are suitable for use with a wide range of resins, including PET in transparent, food-contact applications, as well as in other transparent, amorphous polymers such as polystyrene (PS), polycarbonate (PC), acrylic (PMMA). Keyplast colorants offer high purity and low volatile content.



RESIST® XTR

High performance extreme temperature colorants

Designed for high and low extreme temperatures during processing, RESIST® XTR delivers excellent thermal and process stability, improved weatherability, and works well in glass-filled and flame-retardant applications.



Hyperform® HPN® 900ei

Nucleating agent for thin wall injection molding

A performance additive designed for use by thin-wall injection molders in polypropylene homopolymers and mini-randoms.



Viscosity modifiers for recycled polypropylene (rPP).

Enables increased usage of post consumer recycle polypropylene

Milliken viscosity modifiers are designed for recyclers to increase the melt flow of pre-and post-consumer recycled polypropylene for the extrusion and injection molding process. The result is rPP resin with a more consistent flow enabling a wider range of applications.



Hyperform® HPN® 58ei

Nucleating agent for homopolymer polypropylene

Improves optical performance, isotropic shrinkage and regrind quality of sheets and thermoformed parts.



Hyperform® HPN® 600ei

Excellent optical performance of sheet and thermoformed parts

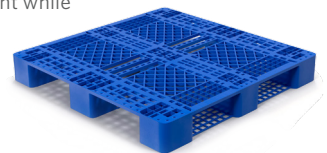
Enhances the appearance of parts and sheets with higher gloss and reduced haze, offering an ideal balance of mechanical and physical properties, with excellent top load compression and improved impact resistance.



Hyperform® HPN® 715

Nucleating agent for polypropylene

A high performance additive that improves stiffness/impact balance in ICP, hPP, and HCPP resins, allowing downgauging, material savings, and material replacement while enhancing the physical and thermal properties of PP.



Opticell™ Chemical Blowing Agents for Thermoplastics

Blowing Agents for PVC, PE, PP and PS

This solid concentrate is a chemical blowing agent designed for the production of foamed thermoplastics. It helps to lightweight products by using less material, while maintaining overall performance. The closed-cell structure created during the extrusion process allows for improved thermal and sound insulation without compromising mechanical properties.



Contact us for more information
chemical.milliken.com/contactus

Please contact your Milliken representative for further product information including chemical registrations, food contact status, and other regulatory details.

PLEASE NOTE: As each customer's use of our product may be different, information we provide, including without limitation, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to our standard terms of sale posted at www.milliken.com/terms (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.