

Milliken presents

Reduce carbon footprint with PP products using Millad[®] NX[®] 8000 and Hyperform[®] HPN[®]

While working to advance sustainability in plastics, Milliken helps customers to lower greenhouse gas emissions and their overall carbon footprint, reduce dependence on single-use plastics to create more durable, eco-friendly packaging, enhance plastic recycling and reduce overall waste.



Several of Milliken's additive technologies help converters to manufacture more sustainably - by reducing energy use, enabling the substitution of more environmentally friendly materials, and promoting the recyclability of resins such as polypropylene or the use of a higher percentage of recycled PP in end products.

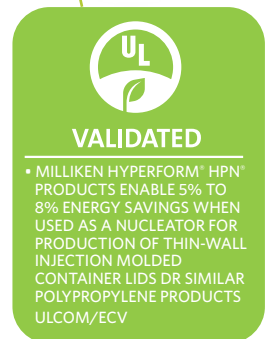
Millad[®] NX[®] 8000 not only transforms polypropylene into a lightweight, crystal-clear alternative to glass, but also boosts its sustainability by enabling converters to process the material at a lower temperature, resulting in both faster cycle times and energy savings.

Traditional clarifiers require high processing temperatures to optimize transparency. The improved solubility of Millad NX 8000 provides improved aesthetics at significantly lower processing temperatures, thus lower energy consumption, shorter cycle time and improved productivity.

Hyperform[®] HPN[®] products enable 5% to 8% energy savings when used as a nucleator for production of thin-wall injection molded container lids or similar polypropylene products.

UL Environment & Sustainability's verification services assessed several grades of the Hyperform HPN additive, and all earned recognition for their energy-related sustainability performance.

The additive also aids dimensional stability in the final part. Hyperform HPN products achieve a balanced orientation of crystal structures in PP that is proven to improve stability and reduce the resin's warpage/anisotropic shrinkage behavior, even in demanding injection molding applications such as caps and closures, and for parts that operate in elevated-temperature environments. Hyperform HPN products can also be safely included in PP used in food-contact, medical and pharmaceutical applications.



For more details and information please contact us at asiachem@milliken.com or visit us online at chemical.milliken.com