

Milliken® Hyperform® HPN® 900ei

High-Performance Additives for Polypropylene

Hyperform® HPN® 900ei is a performance additive designed for use by thin-wall injection molders in polypropylene homopolymers and mini-randoms.

PP modified with this additive yields parts with lower haze, good optical attributes and an overall cleaner look. At the same time, it exhibits an excellent balance of physical properties with both good stiffness (flexural modulus) and impressive impact performance.

Such resin also provides for isotropic shrinkage (similar shrinkage in both directions, thereby reducing warpage) and less overall shrinkage, leading to higher-quality parts. The material's higher heat deflection temperature, meanwhile, offers the improved heat resistance for those applications that require it.

Enhanced Productivity & Sustainability

The resin's higher crystallization temperature enabled by the additive allows injection molders to cut their energy use by reducing cycle times and realizing faster overall processing. With the resulting energy savings certified by the independent agency UL (Underwriter Laboratories), parts molded with the material can bear the UL Environmental Claim Validation label. Displaying this UL label allows brand owners to promote their commitment to sustainability.

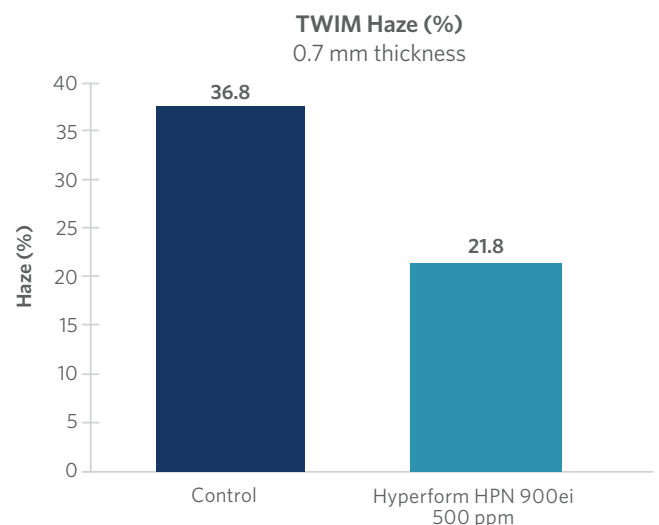


Improved Aesthetics

Hyperform HPN 900ei reduces the haze and the yellowness index, yielding final parts that are cleaner, clearer and more transparent, which can further enhance sustainability by allowing for more inter-material replacement.

Applications

- Packaging



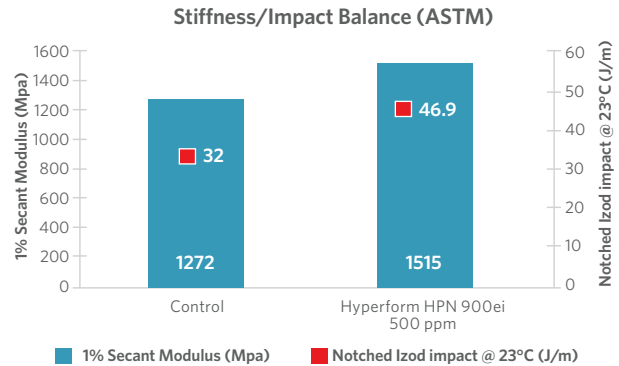
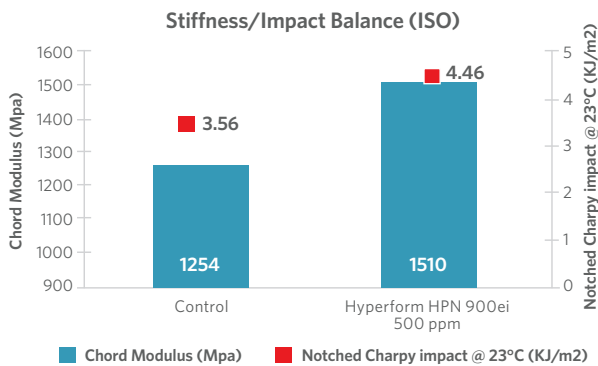


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High-Performance Additives for PP

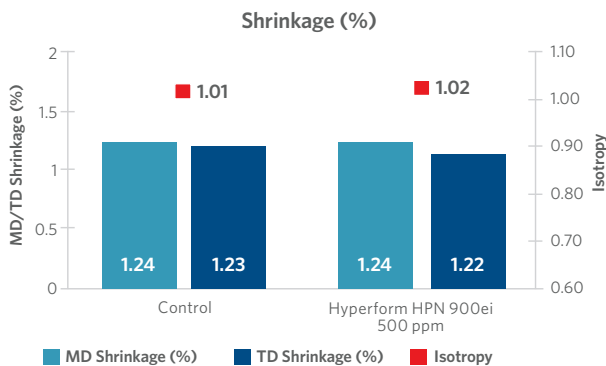
Balanced Physical Properties

Traditional nucleating agents require customers to sacrifice impact to gain greater stiffness. Hyperform HPN 900ei delivers improved stiffness (Flexural Modulus) while maintaining the impact performance



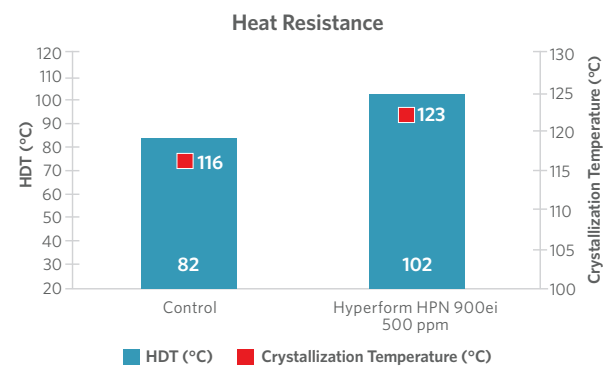
Isotropic Shrinkage

The unique isotropic shrinkage behavior of Hyperform HPN 900ei allows dimensionally stable, non-warping PP parts.



Heat Resistance and Crystallization Behavior

Hyperform HPN 900ei provides a higher heat deflection temperature (HDT) and an increase in crystallization temperature.



Please contact your Milliken representative for any additional information.

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.

NORTH AMERICA
Spartanburg, SC, USA
Tel: 800-910-5592
Fax: 864-503-2430
millichem@milliken.com

EUROPE
Gent, Belgium
Tel: 32-9-265-1100
Fax: 32-9-265-1195
eurochem@milliken.com

LATIN AMERICA
Sao Paulo, Brazil
Tel: 55-11-3043-7942
Fax: 55-11-3043-7096
lachem@milliken.com

LATIN AMERICA
Mexico City, Mexico
Tel: 52-55-3088 3600
Fax: 52-55-9000 2643
lachem@milliken.com

ASIA
Singapore
Tel: 65-6377-0770
Fax: 65-6377-0990
asiachem@milliken.com

ASIA
Shanghai
Tel: 86-21 6145-5555
Fax: 86-21 6145-5558
asiachem@milliken.com

ASIA
Pune, India
Tel: 91.20.6730.7501
Fax: 91.20.6730.7514
asiachem@milliken.com