

Milliken® Hyperform® HPN® 715

High-Performance Additive for Polypropylene

Hyperform® HPN® 715 is a performance additive designed for use by injection molders in polypropylene (PP) homopolymers and impact copolymers to yield the highest stiffness possible in the resin while retaining good impact resistance.

With its extremely fast crystallization speed, this performance additive helps injection molders to boost their productivity by accelerating cooling times and reducing cycle times.

It also features superior thermal stability through its improved heat-deflection temperature.

PP modified with this additive is suitable for processing via injection molding, thermoforming and extrusion.

Hyperform HPN 715-modified PP allows downgauging and reduces filler requirements, thereby improving design freedom, reducing weight, and cutting material costs. Additionally, it allows for PP to replace other materials, particularly polystyrene.

Major Attributes

- Highest stiffness in polypropylene
- Superior thermal stability through improved Heat Deflection Temperature
- Improved productivity

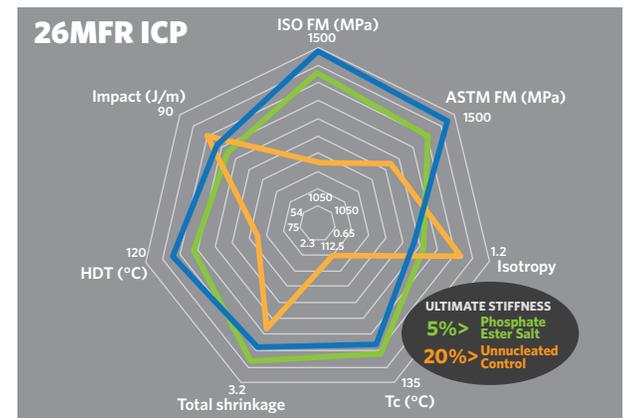
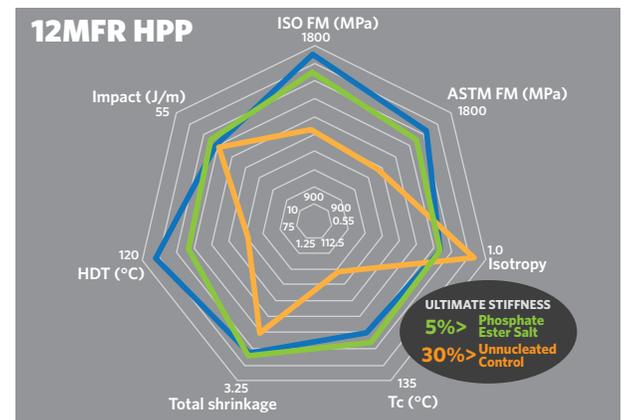
Typical Applications

Automotive compounds and components, as well as household appliance parts, packaging, industrial packaging, garden furniture, buckets, and microwaveable containers.



Hyperform HPN 715 for Ultimate Stiffness

Highest HDT and Excellent Heat Resistance



HPN-715 Phosphate Ester un-nucleated PP

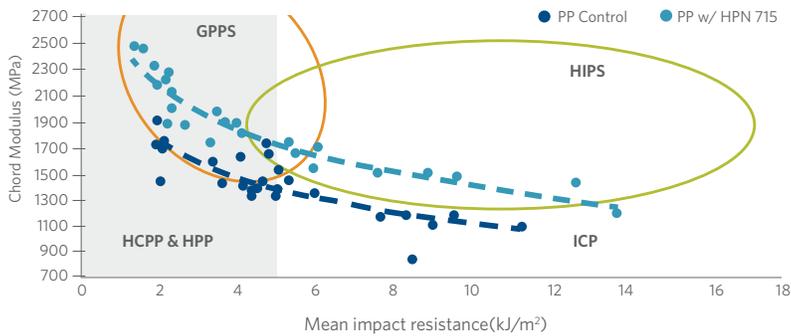
All nucleating agents tested at same concentration with standard antioxidant and acid scavenger packages.

Hyperform® HPN® 715

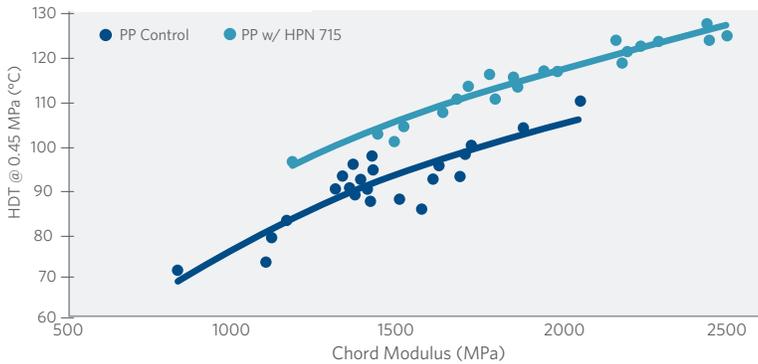
High-Performance Additive
for Polypropylene



ISO Charpy Impact vs Flexural Modulus



Flexural Modulus vs HDT



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