



It all starts with...
nylon that performs.



VISIT [ADVANSIX.COM](https://www.advansix.com) TO LEARN MORE.

ADVANSIX
Good chemistry.



Count on AdvanSix when quality and responsiveness really matter

Polyamide nylon is a building block of modern life. It's used to make plastic products as diverse as engine parts, electrical equipment, sporting goods, industrial components, automotive accessories, furniture and eyeglass frames.

Known for its versatility, heat stability and toughness, nylon is the first choice of many companies using compounding, extrusion and injection molding processes to manufacture their products.

KEY NYLON BENEFITS

- Excellent surface finish even when reinforced
- Tough and strong to withstand punishing use
- Wear and abrasion resistant
- Heat and chemical resistant
- Parts made are lighter, quieter than those made with metal.

ADVANSIX DELIVERS A WORLD-CLASS CUSTOMER EXPERIENCE

For more than 50 years compounders and extruders have turned to AdvanSix for nylon 6 and nylon 6,66 resins that check all the boxes for quality and performance, backed by a world-class domestic U.S. supply chain. Our extensive line of Aegis® nylon resins give compounders and extruders a range of high-performing options designed to meet their specific needs.

AdvanSix is one of the world's largest integrated manufacturers of nylon resins and single-site producers of caprolactam – a key component for nylon resins. AdvanSix's robust, reliable and responsive supply chain is built to deliver a better customer experience. With AdvanSix's Aegis® product line, compounders and extruders are better equipped to deliver on their commitments to original equipment manufacturers and end users of their products.



AEGIS® PIR/PCR NYLON 6 CONTAINS 100% CERTIFIED RECYCLED CONTENT

Innovators at AdvanSix found a way to help our customers reduce nylon’s environmental footprint without compromising the superior performance nylon 6 confers to their products. We were the first to place on the market a certified 100% recycled nylon, comparable in every way to virgin nylon, made from reclaimed post-industrial recycled (PIR) and post-consumer recycled (PCR) materials.

This gives plastic manufacturers and end-users access to a reliable, cost-effective supply of recycled nylon, which has been certified by an independent third party¹ and qualifies for recycled content claims under Federal Trade Commission guidelines.²

AEGIS® NYLON RESINS FOR COMPOUNDING AND EXTRUSION APPLICATIONS

PRODUCT	TYPICAL RELATIVE VISCOSITY (RV)	DESCRIPTION
H35ZI	2.4	Low-viscosity nylon 6 with excellent melt flow properties for filling thin-sections, high aspect ratio parts and reducing cycle times for glass-filled injection molding compounds.
H8202NLB	2.6	Medium-viscosity nylon 6 with excellent processability for glass-filled injection molding compounds.
H55ZI	2.7	Versatile nylon 6 grade for engineered plastic compounds, monofilament and multifilament applications.
MBM	2.8	Melt-stable, medium-viscosity nylon 6 for compounding, monofilament and multifilament applications.
H85ZP	3.2	Medium/high-viscosity nylon 6 offering excellent toughness for compounding and cast films.
H95ZI	3.3	Medium/high-viscosity nylon 6 for compounding and profile extrusion; also used in high-strength filament applications.
H95C1ZP	3.3	Medium viscosity nylon extrusion grade copolymer for compounding, profile extrusion and films requiring strength, toughness and processability.
H135ZP	3.8	High-viscosity nylon 6 homopolymer for profile extrusion; also used in cast or blown film applications requiring strength, toughness and formability.

¹SCS Global Services

²Environmental Claims: Summary of the Green Guides | Federal Trade Commission (ftc.gov)

THE ADVANSIX DIFFERENCE

AdvanSix has been providing solutions to help customers solve their most difficult challenges for more than a century. As a diversified chemistry company, we are the source of vital chemistries that help our customers succeed and improve the lives of people everywhere.

AdvanSix nylon solutions enable compounders and extruders to produce products that improve the safety, efficiency and performance of thousands of products with important everyday uses. With exceptional quality control and a robust supply chain, our teams deliver industry-leading quality and an ultra-reliable supply. We combine our rich history with a commitment to product innovation and sustainable solutions, helping our customers deliver on their own promises to consumers.

Contact your AdvanSix representative to learn more about our nylon solutions and complete range of Aegis® nylon resins.



NOTE

This literature is intended to provide general information only. As such, AdvanSix assumes no liability for the interpretation or use of information presented herein. For recommendations specific to your applications, please contact the appropriate supplier(s).

Although AdvanSix Inc. believes that the information contained herein is accurate and reliable, it is presented without guarantee or responsibility of any kind and does not constitute any representation or warranty of AdvanSix Inc., either expressed or implied. A number of factors may affect the performance of any products used in conjunction with user's materials, such as other raw materials, application, formulation, environmental factors and manufacturing conditions among others, all of which must be taken into account by the user in producing or using the products. The user should not assume that all necessary data for the proper evaluation of these products are contained herein. Information provided herein does not relieve the user from the responsibility of carrying out its own tests and experiments, and the user assumes all risks and liabilities (including, but not limited to, risks relating to results, patent infringement, regulatory compliance and health, safety and environment) related to the use of the products and/or information contained herein.

Aegis® is a registered trademark of AdvanSix Inc. May 2023.
©2023 AdvanSix Inc. All rights reserved.

CONTACT ADVANSIX

Contact AdvanSix to learn more about the benefits of Aegis® resins.

[ADVANSIX.COM/NYLONSOLUTIONS](https://www.advansix.com/nylonsolutions)
1-844-890-8949 (TOLL FREE, U.S./CAN.)
1-973-526-1800 (INTERNATIONAL)

ADVANSIX HEADQUARTERS

300 Kimball Drive, Suite 101
Parsippany, NJ 07054

