



## PRODUCT PROFILE

# Long-Chain Polyamides

Polyamide 610 and 612 compounds and resins

Ascend's new series of long-chain polyamide compounds and resins are designed to perform in demanding applications. With their high dimensional stability and exceptional chemical resistance, polyamide 610 and 612 are used in brush bristles, battery seals, automotive cooling lines and fuels systems, sporting goods and other applications where durability under extreme conditions is necessary.

## The Ascend Difference

With over 60 years of polymer production and a fully integrated manufacturing process, Ascend is committed to bringing high-performance materials to market. Our Vydyn<sup>®</sup> PA66 is trusted to solve some of the most pressing material challenges, from vehicle safety to renewable energy production. We are applying our manufacturing and material knowledge to PA610 and 612.

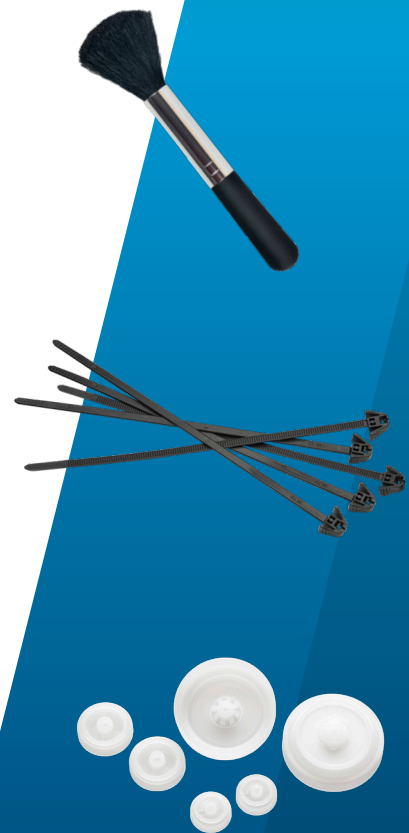
Our product development team uses a quality function deployment approach to design products that meet your needs. Based on feedback from customers, we develop products that fit your application and processing specifications. We are currently developing a full portfolio of specialty PA610 and PA612 grades.

## Benefits

- High dimensional stability
- Up to 62% bio-based material
- Excellent abrasion resistance
- Exceptional chemical resistance
- Low moisture absorption

## Applications

- Monofilament
- Outdoor cable ties
- Battery seals
- Fuel line components
- Automotive tubing
- Cooling circuits
- Brakeline coatings



## Targeted Product Properties

HiDura PA612	Grade	Description	Link to Technical Data Sheet
Extrusion Grade/ Compounding Feedstock	D0X	Low viscosity with excellent flow	<a href="#">TDS</a>
	D1X	Low-medium viscosity with good flow	<a href="#">TDS</a>
	D2X	Med-high viscosity	<a href="#">TDS</a>
	D3X	High viscosity	Coming soon
General Purpose Injection Molding	D0MW	Long-term outdoor weatherable, low viscosity, black	<a href="#">TDS</a>
	D0MP	Low viscosity, nucleated and lubricated	<a href="#">TDS</a>
	D1MG33H BK	Heat stabilized, 33% glass filled, black	<a href="#">TDS</a>

For more information about our specialty grades available to sample and in development, contact our expert applications specialists or visit [ascendmaterials.com](http://ascendmaterials.com).



Ascend Performance Materials makes high-performance materials for everyday essentials and new technologies. Our focus is on improving quality of life and inspiring a better tomorrow through innovation. We make the plastics, fabrics, fibers and chemicals used to make safer vehicles, cleaner energy, better medical devices, smarter appliances and longer-lasting apparel and consumer goods. We are committed to safety, sustainability and the success of our customers and our communities.

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