

SEGMENT PROFILE

# Cable Management

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The leading global supplier of polyamide resins and compounds for cable ties and fasteners.



# Cable ties and fasteners

Ascend produces more PA66 for cable ties than any other manufacturer and now we are expanding our product with various high value technical solution materials such as PA612, metal detectable compounds and much more. Our broad portfolio includes grades specifically designed for applications requiring fast cycling with resistance to impact, weather, chemicals and high temperatures. Our unparalleled applications testing lab, technical service model and approach to innovation ensure your manufacturing processes run efficiently and cost-effectively. Ascend produces more than 2 million cable ties each year for R&D and quality testing using our custom-engineered polyamides.

## Innovation and commitment

Ascend is the global leader in supplying the cable tie market and we are committed to growing this business even more. Our innovative product development program allows us to continually bring new products to the market.

- High-temperature grades for under-the-hood auto applications.
- Impact-modified grades for long-term weatherability.
- Heat-stabilized grades for electrical applications and connectors.
- Specialty long chain polyamide grades for UV resistance and harsh environments.



## Rigorous testing

We mold more than 2 million cable ties each year to ensure our materials provide superior performance in your processes. Our dedicated laboratory in Pensacola, Florida, features 300- and 110-ton electric molding machines, five types of installation guns and a cable tie tool for simultaneous testing on up to 50 cable ties.

- UV weathering and cold-temperature installations.
- Heat aging and high-temperature performance capability.
- Impact testing.
- Testing in controlled-humidity environments.
- Hydrolysis-resistance testing.
- UL testing.

## Technical support that works for you

Ascend experts are available around the globe to help you achieve peak performance with our materials. We don't just supply resin – we partner with you to ensure your processes are running quickly, efficiently and reliably, allowing you to make the highest-quality product.

Our technical experts are available to visit your facility and troubleshoot any challenges with you, ensuring you are getting top performance from our materials.

Learn more about our full product portfolio for cable ties and fasteners on [ascendmaterials.com](http://ascendmaterials.com)

Vydyne® PA66 delivers better flow, higher heat resistance and higher impact toughness compared to the competition. Our new HiDura™ PA612 grades offer the best balance of properties use in outdoor and harsh environments and cycle times. We are dedicated to developing new innovative products to solve tomorrow's challenges today.

## Cable tie solutions

	GRADE	TENSILE STRENGTH (MPa)	DESCRIPTION	
Vydyne PA66	General purpose	21SPC	88	Standard
		21SPF	88	Fast cycle
		21SPF BK	88	Fast cycle, black
		21SPR	88	Standard, improved mold release
		21SPM	88	Fast cycle, low plateout
		21SPF1	88	Fast cycle, improved flow
	Heat stabilized	22HSP NT/BK	85	Heat stabilized, natural, black
		24XLR8 NT/BK	85	Extreme high temperature resistance, natural, black
	Specialty application	25WSP	82	Long-term UV resistance
		ECO 315J	82	Copolymer PA66/6 unreinforced V0
		ECO 366H	82	Unreinforced V0
	Impact modified (IM)	41H NT	50	High IM, heat stabilized, low temperature resistance, natural
		41H BK03	50	High IM, heat stabilized, low temperature resistance, black
		47H NT0688	60	Medium IM, heat stabilized, low temperature resistance, natural
		47H BK0668	60	Medium IM, heat stabilized, low temperature resistance, black
		47H BK0644	60	Medium IM, heat stabilized, long-term UV resistance, outdoor weatherable, fast cycle, low temperature resistance, black
		49H NT0745	60	Low IM, heat stabilized, low temperature resistance, natural
		49H BK0743	70	Low IM, heat stabilized, low temperature resistance, black
HiDURA PA612 Long chain polyamides	D0MW	67	Long-term UV resistance, outdoor weatherable, excellent chemical resistance, black	
	D0MP	67	Excellent chemical resistance, fast cycle, natural	

# About Ascend

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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For more information, contact our expert applications specialists or visit [ascendmaterials.com](https://ascendmaterials.com).

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