

CONSUMER & INDUSTRIAL APPLICATION PROFILE

Monofilament

Products Used: HiDura™ S1X, D1X, D2X, D3X Vydyne® 63A, 65A, 66B

Application Description

Ascend offers a full portfolio of products for extrusion of monofilaments. Our specialty HiDura™ PA610 and PA612 grades offer best-in-class abrasion resistance and improved loop strength, extending the life of the application. We also offer Vydyne PA66 standard and heat stabilized grades for precise viscosity control and excellent processing performance. Ascend's fully integrated manufacturing processes allow us to provide the highest quality polymers with consistently bright color and clarity.

Applications

- Cosmetic brushes
- Toothbrushes
- Industrial brushes
- Paper machine clothing
- Conveyor belts
- · Fishing line
- Trimmer line

Benefits

- Best-in-class abrasion resistance provides extended life
- HiDura PA612, HiDura PA610 and Vydyne PA66 standard and heat stabilized grades, available in a range of viscosities
- Improved tensile properties, flex fatigue resistance and bend recovery
- Excellent extrusion performance
- Low moisture absorption
- Hydrolysis resistance



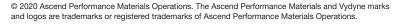
Products

Product		Number Average MW	VN Sulfuric Acid	RV Sulfuric Acid	Link to Technical Data Sheet
Test Method		-	ISO 307	ISO307	
Units		Mn	cm³/g	-	
HiDura	PA612 - D1X	17,000	120	~2.3	<u>TDS</u>
	PA610 - S1X	17,000	120	~2.3	Coming soon
	PA612 - D2X	21,000	143	~2.6	TDS
	PA610 - S2X	21,000	143	~2.6	Coming soon
	PA612 - D3X	25,000	170	~3.0	Coming soon
	PA610 - S3X	25,000	170	~3.0	Coming soon
Test method		ASTM D-789	-	ISO 307	
Vydyne	PA66 - 63A	82	-	3.24	<u>TDS</u>
	PA66 - 65A	132	-	3.76	TDS
	PA66 - 66B	120	-	3.68	TDS



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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