



# Ascend Performance Materials

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**¡Ahora estamos en MÉXICO!**





## Ascend 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 are a fully integrated material solutions provider with eleven global manufacturing facilities in the US, Mexico, Europe, China and India.
- **As the world's largest fully integrated producer of polyamide 66 resin** we can ensure the highest reliability, quality and performance.

### Who We Are:

- PA66 manufacturer for more than 70 years.
- Company Headquarters in Houston, Texas; regional offices in Belgium and China
- Local compounding of plastics in all regions
- Global sales and logistics support.
- More than \$2.5 billion in annual revenue.
- Approaching 3,000 employees globally.
- We have added resources at OEM level for specifications and interface.
- We have added resources in Application Development Engineering.
- We have opened an office in Royal Oak, MI to support automotive.
- Global resources in CAE and technical support.
- Continuing to invest in additional portfolio enhancements & strategic acquisitions.



**Ascend produces 1 Billion lbs. of PA66 annually.**

# Vydyne® PA66 Material Portfolio

## Neat resins

- Lubricated
- nucleated
- heat stabilized

## Glass Filled Compounds

- Heat stabilized
- Hydrolysis resistant
- Different glass fiber loading:  
15, 25, 30, 33, 35, 40, 43, 50%

## Impact modified

- Different levels of modification
- Available in glass filled

## Extrusion grades

- High viscosity grades
- High melt strength  
used in profile extrusion and film

## Flame retardant (Now Starflam®)

- No glass fibers - halogen & P free
- No glass fibers - contains halogen & P
- 25% glass fibers - contains halogen & P



## Cable Ties / Fasteners

- Building and construction
- Automotive
- Aircrafts



## Automotive

- Radiator end tanks
- Charge air coolers
- Fans & Shrouds
- Cylinder head covers
- UTH general



## E&E: Electrical & Electronic

- Connectors
- Battery seals



## C&I: Consumer & Industrial

- Extrusion (sausage casing, stock shapes)
- Consumer  
(lighter bodies, aerosol valves)
- Window insulation



## Compounders

- Feedstock



# Beyond PA66: Ascend is expanding & developing our portfolio

- **Vydyne<sup>®</sup> B** - PA6 resins and engineered plastics
- **Redefyne<sup>™</sup>** - post-industrial and post-consumer recycled grades
- **HiDura<sup>™</sup>** - specialty polyamide resins and engineered plastics
- **Starflam<sup>®</sup>** - flame retardant resins and compounds
- **Trinohex<sup>®</sup> Ultra** - battery electrolyte additive
- **Acteev<sup>™</sup>** - antiviral, antibacterial, antimicrobial, odor free fabrics and engineered plastics
- **Endur<sup>®</sup>** - Clean fabric and fiber
- **Nonwoven** - filtration media
- **Specialty and Intermediate Chemicals**
- **Vydyne<sup>®</sup> AVS** - Antivibration Systems engineered plastics - AVS



Mercados que servimos

# Engineering materials



**Automotive**



**Electrical and Electronic**



**Cable Ties and Fasteners**



**Consumer and Industrial**



**Compounding Feedstock**



# Textiles

**Nonwovens**



**Medical Devices**



**Consumer apparel**

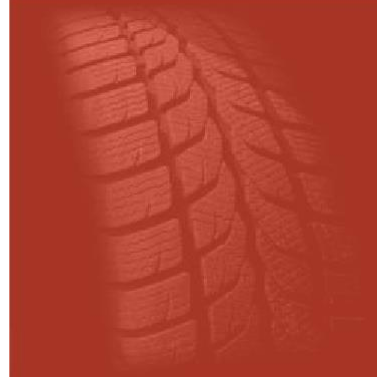


# Fibers

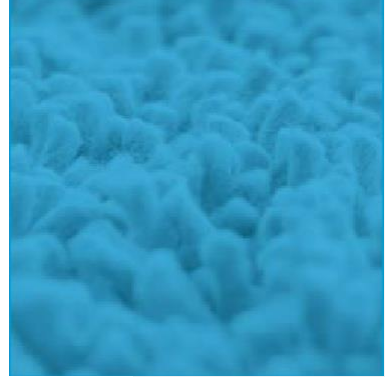
**Airbag**



**Tire Cord**



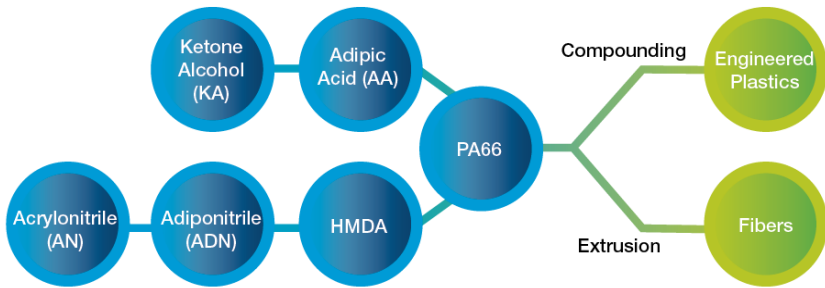
**Carpet**



# Backwards integrated operations in intermediate & specialty chemicals

Over 1 Billion pounds of PA66 sold annually

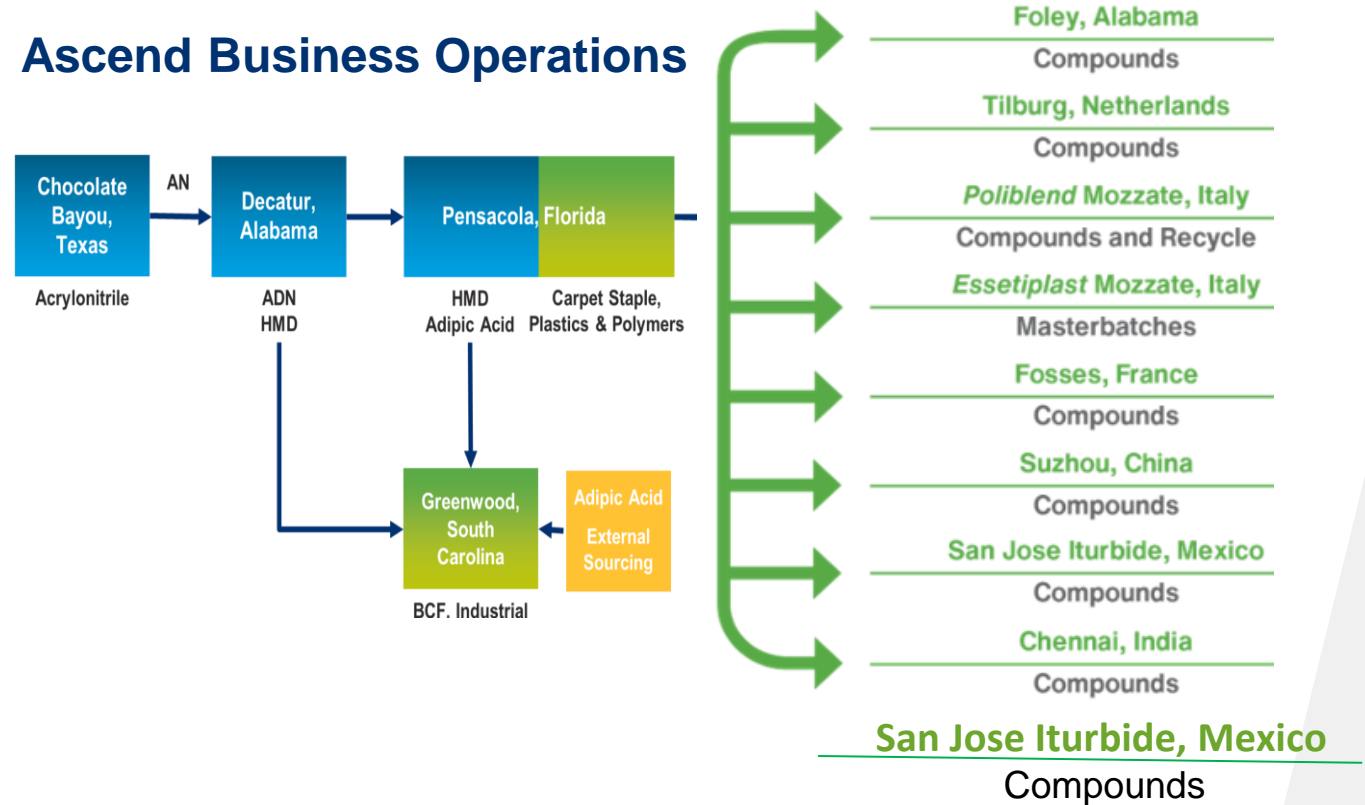
## Nylon66 Process



There are only four Adiponitrile (ADN) plants in the world. Production technology is proprietary and closely held by 2 companies (Ascend and Invista).

Chemicals

## Ascend Business Operations



Plastics/Polymer/Fibers

# Mexico - Site Location and Capacity



Ascend Mexico is located in San Jose de Iturbide, Queretaro MX.

- x4 JSW extruders with room for expansion
- Hopper truck: Loading and Unloading capacity
- Local warehouse
- Rail spur with rail line storage
- Packaging options include bulk and gaylords, box upcoming
- Quality Lab is ISO certified
- Internal and external audits



