

**PARTNER HIGHLIGHT**



Athens, AL



Fowlerville, MI



Queretaro, MX

# Asahi KASEI

## ASAHI KASEI PLASTICS NORTH AMERICA

**Asahi Kasei Corporation** is a global Japanese chemical company. Its main products are chemicals and materials. Now headquartered in Tokyo, with offices and plants across Japan, as well as China, Singapore, Thailand, U.S.A., Mexico and Germany.

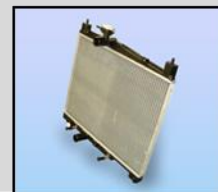
**Asahi Kasei Plastics North America, Inc. (APNA)** is a subsidiary of Asahi Kasei, a Fortune 500 company and world leader in plastics. Asahi Kasei Plastics North America, Inc. is headquartered in Fowlerville, Michigan, USA. With a manufacturing facility in Athens, Alabama and a sales office in Queretaro, Mexico.

Xyron™	Tenac™ & Tenac-C™	Leona™	Thermylon™	Thermylene®
mPPE	POM	PA66	PA 6 & PA 66	Reinforced Compounds
<ul style="list-style-type: none"> <li>Modified Polyphenylene Ether</li> <li>Only competitor to GE Noryl™ Resin</li> </ul>	<ul style="list-style-type: none"> <li>Only producer to offer both Homopolymer and Copolymer Acetal</li> </ul>	<ul style="list-style-type: none"> <li>6/6 &amp; 66+I partially aromatic Nylon &amp; Leona 90G Series</li> <li>One of the five fully integrated producers</li> </ul>	<ul style="list-style-type: none"> <li>Glass &amp; Mineral reinforced Nylon 6 &amp; 66</li> </ul>	<ul style="list-style-type: none"> <li>Glass, Glass/Mineral, Mineral &amp; Unfilled Specialty Reinforced PP &amp; PPE</li> </ul>

### Breadth of Applications/Industries Served

#### Automotive/Transportation

- |               |                     |
|---------------|---------------------|
| Battery Trays | Fan Shrouds         |
| Air Cleaners  | Light Housings      |
| HVAC Cases    | Interior Components |
| Engine Covers | Fuel Systems        |
| Cooling Fans  | Body Panels         |



Radiator Tank



Cylinder Head Cover

#### Liquid Handling

- |                  |                             |
|------------------|-----------------------------|
| Pumps            | Irrigation-Systems Elements |
| Pressure Vessels | Filters                     |
| Couplings        | Valves                      |



Door Mirror Shells



Canister Case

#### Electronic and Electrical

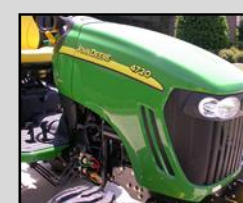
- |                       |            |
|-----------------------|------------|
| Connectors            | Hand Tools |
| Switch Mechanisms     | Housing    |
| Computer Cooling Fans |            |

#### Appliances

- |               |                       |
|---------------|-----------------------|
| Refrigerators | Dryers                |
| Dishwashers   | Small Appliance Parts |
| Washers       |                       |



Pool Filter



Tractor Hood

#### Industrial

- Small Engine Compartments
- Material Handling Equipment
- Gears

## Thermylene® Performance Polypropylene Compounds - PP

**Thermylene®** Thermylene represents Asahi's family of specialty compounded polypropylene products using various reinforcements.

Line includes:

- Glass fiber
- Talc
- Mica
- Glass fiber/ mineral
- Flame Retardant



### Key Attributes of Thermylene:

The enhanced adhesion between the glass fiber reinforcement and the polypropylene matrix results in a material that exhibits the following characteristics:

- Superior knit line strength and stiffness
- Improved elevated temperature performance
- Higher creep resistance
- Enhanced toughness
- Excellent Chemical Resistance
- Enhanced Tensile Strength (nearly twice that of non-chemically coupled polymers)

## Xyron™ Modified Polyphenylene Ether - mPPE

**Xyron™** (modified polyphenylene ether or mPPE) engineering resins are composed of mPPE together with polystyrene (PS), polyamide (PA), polypropylene (PP), polyphenylene sulfide (PPS) or other polymeric materials.

Xyron has a broad range of applications that include; electrical outlets/switches, fuse box components, nozzles, battery cases, medical devices, junction boxes, connectors for solar/PV, tractor hoods, motorcycle fairings and relay blocks.

### Basic Cross Reference

Sabic Noryl	Asahi Kasei Xyron	Sabic Noryl	Asahi Kasei Xyron
N190X	<b>240Z</b>	SE1GFN1	<b>G701V</b>
SE100X	<b>340V</b>	SE1GFN2	<b>G702V</b>
PX0844, EM6100,	<b>450H</b>	SE1GFN3	<b>G703V</b>
PX0888, 731	<b>500H</b>	GTX-910	<b>AT600</b>
SE1X	<b>540V</b>	GTX-902	<b>AT610</b>
731, ENG265	<b>600H</b>	GTX-810	<b>AG211</b>
GFN1, EM7301	<b>G701H</b>	GTX-820	<b>AG212</b>
GFN2	<b>G702H</b>	GTX-830	<b>AG213</b>
GFN3, EM7430	<b>G703H</b>	GTX-830	<b>AW213</b>

*\*additional grades available; contact your General Polymers representative for more information.*

## PARTNER HIGHLIGHT

**Asahi Kasei Plastics** is the largest producer of glass reinforced polypropylene in North America. They have been producing compounded polypropylene compounds for over 30 years.

Thermylene P4	Non-decabrom FR PP
Thermylene P6	Standard reinforced PP
Thermylene P7	High Crystalline reinforced PP
Thermylene P8	New Generation Engineered Reinforced PP
Thermylene SWP	Low stress whitening variant to formulations
Thermylene P10	Engineered Performance Chemically Coupled PP
Thermylene P17	Thermylene long glass reinforced PP
SoForm	Haptics compound



### Key Attributes of Xyron™:

- Outstanding range of heat resistance (80-220 °C)
- Low mold shrinkage, excellent dimensional stability
- Grades with excellent hydrolytic stability, low-water absorption, hot-water resistance
- Low specific gravity
- High resistance to acids and alkalis
- Excellent electrical properties
- Use of Halogen-free flame retardants (V-0 through HB)
- Superior processability Grades
- Reinforced grades for structural applications

### For More Information:

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