



## OVERVIEW

XYRON™ is a high-performance modified polyphenylene ether (m-PPE) made by Asahi Kasei Corporation, designed to offer exceptional strength, durability, and heat resistance. This product is commonly used in various industries, including automotive, construction, and electronics, due to its excellent mechanical properties and reliability.

**ITS EXCEPTIONAL THERMAL, ELECTRICAL, AND MECHANICAL PROPERTIES MAKE IT AN IDEAL CHOICE FOR ELECTRICAL AND ELECTRONIC COMPONENTS. ADDITIONALLY, ITS HIGH RESISTANCE TO CHEMICALS AND HEAT MAKES IT SUITABLE FOR AUTOMOTIVE PARTS, ENSURING DURABILITY AND RELIABILITY EVEN IN EXTREME CONDITIONS.**

## CHARACTERISTICS AND PROPERTIES

XYRON™ is a versatile and high-performance product known for its exceptional characteristics and properties. It offers durability, flexibility, and superior strength, making it suitable for a wide range of applications. With its excellent chemical resistance and thermal stability, it provides long-lasting performance in various demanding environments. Characteristics and properties found across the product line include:

- Exceptional durability
- Flexibility and superior strength
- Excellent chemical resistance
- Thermal stability
- Versatile application possibilities
- Long-lasting performance
- Suitable for demanding environments

### Automotive

XYRON™ is a high-performance engineering plastic that is lightweight, durable, and resistant to heat, chemicals, and impact. These properties make it suitable for various automotive applications. The automotive industry is always seeking materials that can improve fuel efficiency, reduce emissions, and enhance safety, which makes XYRON™ a good fit for this market.

Applications include:

- Air intake manifolds
- Engine covers
- Interior and exterior trims



### Consumer Goods

XYRON™ can be molded into various shapes and sizes, offering design flexibility for consumer goods. The lightweight nature, durability, and resistance to wear and tear make this material a good choice for consumer goods, satisfying the demands of everyday use and ensuring long-lasting product life.

Applications include:

- Kitchen appliances
- Sporting goods
- Household items

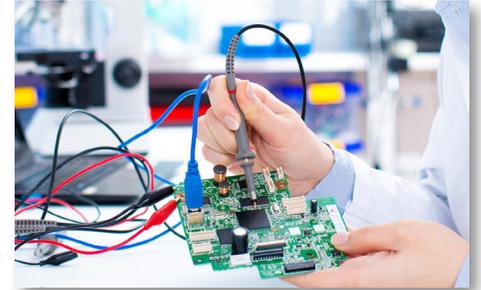


### Electronics and Electric Parts

XYRON™ has excellent electrical insulation properties and can withstand high temperatures, making it ideal for electronic applications. As the demand for smaller, lighter, and more durable electronic devices increases, this material can cater to those needs while providing excellent performance and reliability.

Applications include:

- Connectors
- Housings
- Circuit boards



### Industrial

XYRON™ possesses excellent mechanical properties, such as high tensile strength and impact resistance, making it suitable for demanding industrial applications. The material's durability and resistance to harsh environments and chemicals make it a reliable option for industrial applications.

Applications include:

- Connectors
- Housings
- Circuit boards



### Water Management

XYRON™ stands out in the water management market due to its exceptional durability, ensuring a prolonged lifespan for critical infrastructure. With inherent resistance to corrosion and chemicals, this innovative plastic material offers reliability in pipelines, valves, and other water management components. Its flexibility and environmental friendliness further position XYRON™ as a versatile and sustainable solution, meeting the evolving needs of the water management industry.

Applications include:

- Pool and spa
- Potable water
- Water softeners
- Filters
- Wastewater treatment components
- Plumbing



**Learn more at [nexeoplastics.com/apna/xyron](https://nexeoplastics.com/apna/xyron) or contact us to request a free sample.**

Nexeo Plastics  
1780 Hughes Landing Blvd  
Suite 1000  
The Woodlands, TX 77380 USA  
[nexeoplastics.com](https://nexeoplastics.com)

To Place Your Order:  
US & Canada: 833.446.3936  
[getplastics@nexeoplastics.com](mailto:getplastics@nexeoplastics.com)  
Mexico: +52 55 4749 1710  
[ventas@nexeoplastics.com](mailto:ventas@nexeoplastics.com)

For Technical Questions:  
US & Canada: 866.430.9666  
Mexico: +52 81 1182 5109  
[techconnect@nexeoplastics.com](mailto:techconnect@nexeoplastics.com)



**nexeo**  
plastics

**AsahiKASEI**  
ASAHI KASEI PLASTICS NORTH AMERICA

All statements, information and data presented herein by Nexeo Plastics are believed to be accurate but are not to be taken as a guarantee or other representation for which Nexeo Plastics and its affiliates and subsidiaries assume legal responsibility.

NEXEO PLASTICS EXPRESSLY DISCLAIMS ANY AND ALL WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARISING OUT OF ANY USE OF THE PRODUCTS OR SERVICES IDENTIFIED HEREIN OR RELIANCE ON ANY INFORMATION PROVIDED HEREIN.

All statements, information, recommendations and products must be thoroughly evaluated and verified by the end user to determine their applicability or suitability for each particular use. Typical values are indicative only and are not to be construed as being binding specifications. SARLINK® is a registered trademark of Teknor Apex Company.

\* Trademark owned by a third party

©2023 Nexeo Plastics, LLC. All Rights Reserved.

NEX-XYRON-OS  
2023-001