Application solutions

Envalior
Imagine the Future

Hydrogen fuel cells

Automotive | Drivetrain

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Benefits

- Fuel cell systems need to use materials that are pure. If not, ion leaching will occur which will poison the catalyst & clog the membrane, lead to life time & efficiency drop of fuel cell system
- Moreover, material with excellent hydrolytic and heat aging resistance is highly favorable to ensure its life time performance. Xytron™, our high-performance PPS compound, offers the high purity and superior mechanical performance needed to achieve the industry's lowest ion leaching performance at temperatures up to 120°C, and highest hydrolytic and chemical resistance. This enables OEMs to develop long-lasting, highly efficient PEMFCs that lower the cost per kilometer and total cost of ownership for end users.

Details

Lowest ion leaching of its kind, up to 120°C;Best strength and toughness retention in hydrolytic environment;Best dimensional stability, fatigue and creep resistance;Best weldline strength before and after hydrolytic and heat aging

Products

Xytron™ G4020DW-FC PPS-GF40	Xytron™ G4080HR PPS-GF40	Xytron™ G4080HRE PPS-I-GF40

Speciality products

Xytron™