

# Hydrogen fuel cells

## Automotive / Drivetrain

Print Date: 2024-11-12

### 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

### Speciality products

Xytron™

Seller represents and warrants exclusively that on the date of delivery by Seller the product shall be in conformity with the specifications agreed upon. Seller makes no other representations or warranties, whether express or implied. Seller is not responsible or liable for the design of the products of the Customer and it is the responsibility of the Customer to determine that the Seller's product is safe, complies with application laws and regulations, and is technically or otherwise fit for its intended use. Seller does not endorse or claim suitability of its products for a specific application and disclaims each and every representation or warranty, whether express or implied, in that respect.

Typical values are indicative only and are not to be construed as being binding specifications. Colorants in the product or other additives may cause significant variations in typical values.

Copyright © Envalior 2024. All rights reserved. No part of the information may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of Envalior.