

Fuel Cell Integrated manifold

Automotive

Print Date: 2025-12-05

Benefits

- Superior hydrolytic resistance
- Creep resistance
- Dimensional stability
- Extremely low ion leaching
- Stable dielectric strength
- UL94-V0
- Light weight due to metal replacement this enhances zero emission mobility
- High degrees of integration reduces part numbers



Details

Fuel cell systems need to use materials that are pure. If not, ion leaching and hydrolytic and heat aging can occur. These two failure modes and the risks and consequences can hurt your brand image. Impure materials increase the risk of ion leaching, and higher water absorbing materials show more ion leaching, which you do not want. Also, impure materials increase the risk of hydrolytic and heat ageing— PA9T and PA66 are not good performers.

Products

Xytron™ G4080HRE
PPS-I-GF40

Speciality products

Light weight due to metal replacement this enhances zero emission mobility, high degrees of integration reduces part numbrs

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 © Envallior 2025. 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 Envallior.