Application solutions

Envalior
Imagine the Future

Fuel Cell Integrated manifold

Automotive

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Benefits

- Superior hydrolytic resistance
- Creep resistance
- Dimensional stablity
- 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

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