



Proven Plastics Technology for Robust Thermal Management



Our engineering teams integrate water glycol cooling solutions that are tailormade for electric vehicle batteries.

We specialize in quality controlled vertically integrated engineering solutions for the next generation of EVs and stand ready to support the industry's evolving vehicle designs. Our 100% in-house tube extrusion, injection molding, and automated assembly with in-line testing reinforces the value we place in the finest details of these critical systems.

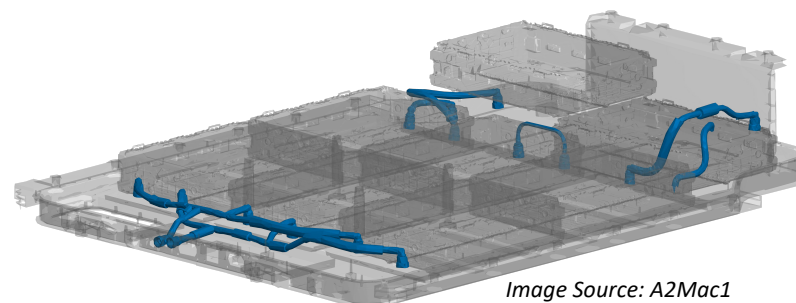
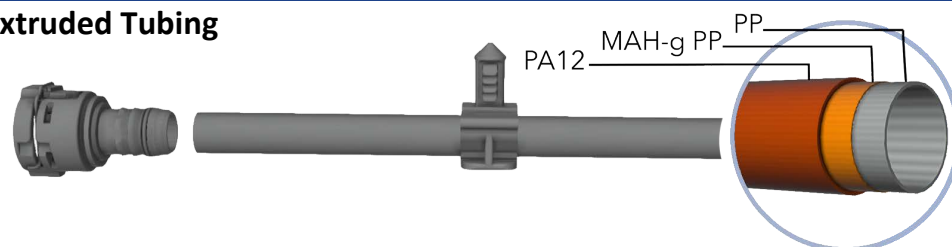


Image Source: A2Mac1

Vehicle System Applications

- Battery, Electronics, Traction Motor, and Transaxle Cooling • Passenger Cabin Heater Core

Extruded Tubing



- Products designed to support ASIL requirements.
- Automated proprietary forming methods for mono and multilayer tubing.
- Custom tube routing with production proven designs of clips, shielding and connectors.

Preferred Materials

TPV; PA11; PA12; PP+PA12 (multilayer)

VDA and SAE Connectors



- 2-D data matrix laser etched serialization.
- Proprietary low-effort connection O-ring seals (<45N)
- Growing catalog of common and standard VDA or SAE quick connectors with barbs for popular tube materials, connector angles and design features.

Preferred Materials

PA66-GF35; PPA-GF-35



ENGINEERING + MANUFACTURING + FLUID MANAGEMENT



ROBUST THERMAL MANAGEMENT FOR ALL APPLICATIONS

DLHBOWLES.COM