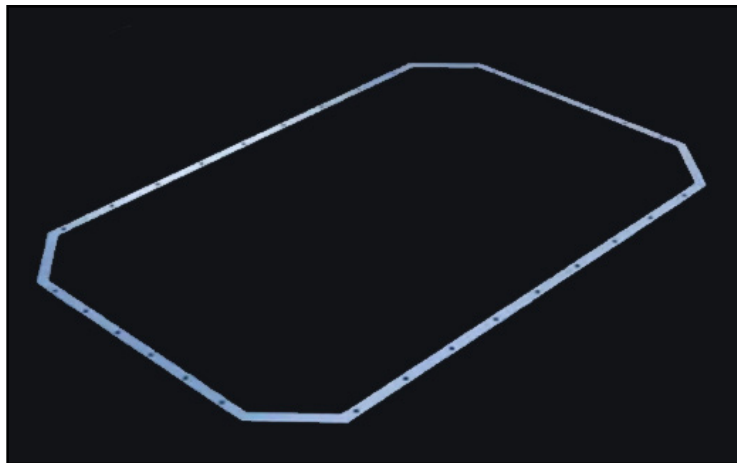


GASKETS AND SEALS FOR HEV BATTERY ENCLOSURE

CHALLENGE: HEV battery system requiring a group of seals and gaskets to protect sensitive contents of the enclosure from moisture, dust, and debris. Gaskets and seals were also required to protect system from failure due to vibration and impact while decreasing cost and improving efficiency.

SOLUTION: Marian Custom Gaskets & Seals

- Die-cut part with a nested grouping of seals & gaskets
- Extended liner with 2 holes to ease assembly process for operator
- Parts made from high-quality materials that wouldn't fail or compromise battery system
- Marian's updated design offered cost savings and an improved assembly process



Representation of gasket for HEV

MATERIAL: Rogers PORON® Foam 4790-92 Series

- Extra soft foam with slow rebound
- Provided seal from dust, moisture, and debris
- Excellent compression force deflection (CFD)
- Offers vibration and impact resistance

MATERIAL: tesa® 4965 Double-Coated Tape

- Strong double-coated tape
- Provided stability to PORON® foam to prevent stretching during manufacturing and assembly



Representation of an HEV Battery

