Sell Sheet

PORON EVExtend®
4701-43RL

The growing electric (EV) and hybrid electric vehicle (HEV) market has led to great advancements in battery technology. With these advancements come new challenges in protecting and extending battery life.

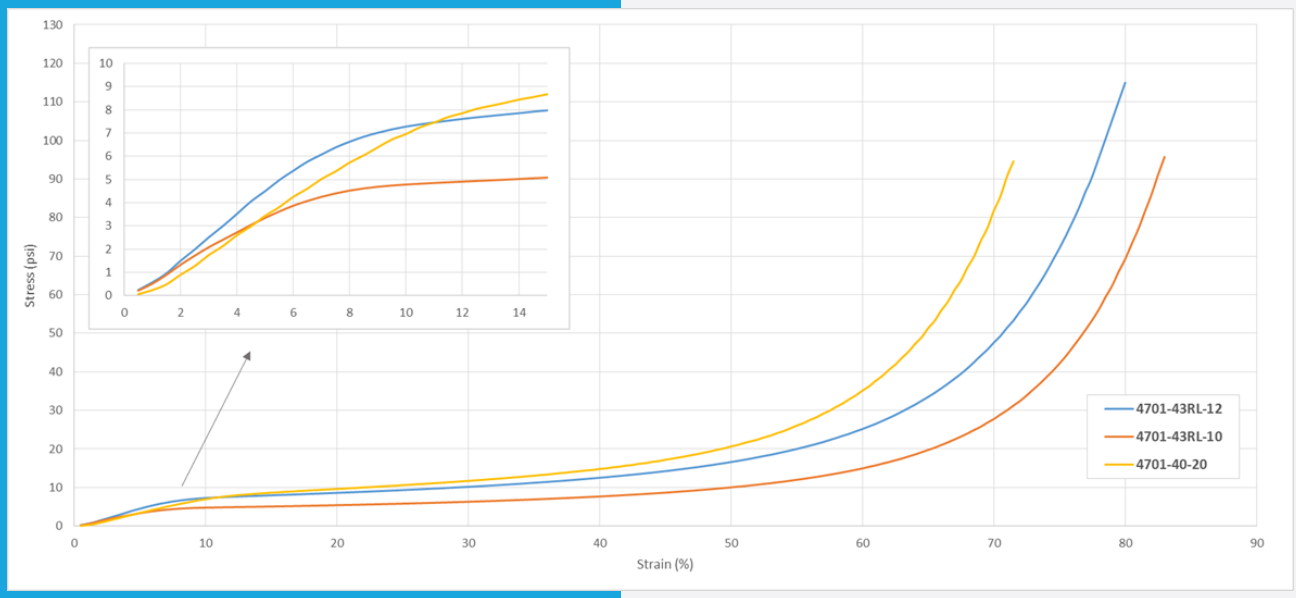
PORON EVExtend® is a specialty product specifically designed to address the challenges of EV/HEV batteries.

Flat CFD Curve

Pouch cells are designed to have specific pushback forces applied that optimizes battery life and performance. Continuous contraction and expansion cycles can cause significant changes in a material's pushback force.

PORON EVExtend® is engineered to have **a flatter compression force deflection (CFD) curve**, with performance that is firmer on the front end and softer on the back end.

Because of this, PORON EVExtend can maintain a constant pushback force, allowing designers to meet both beginning and end of life limits despite pouch expansion.



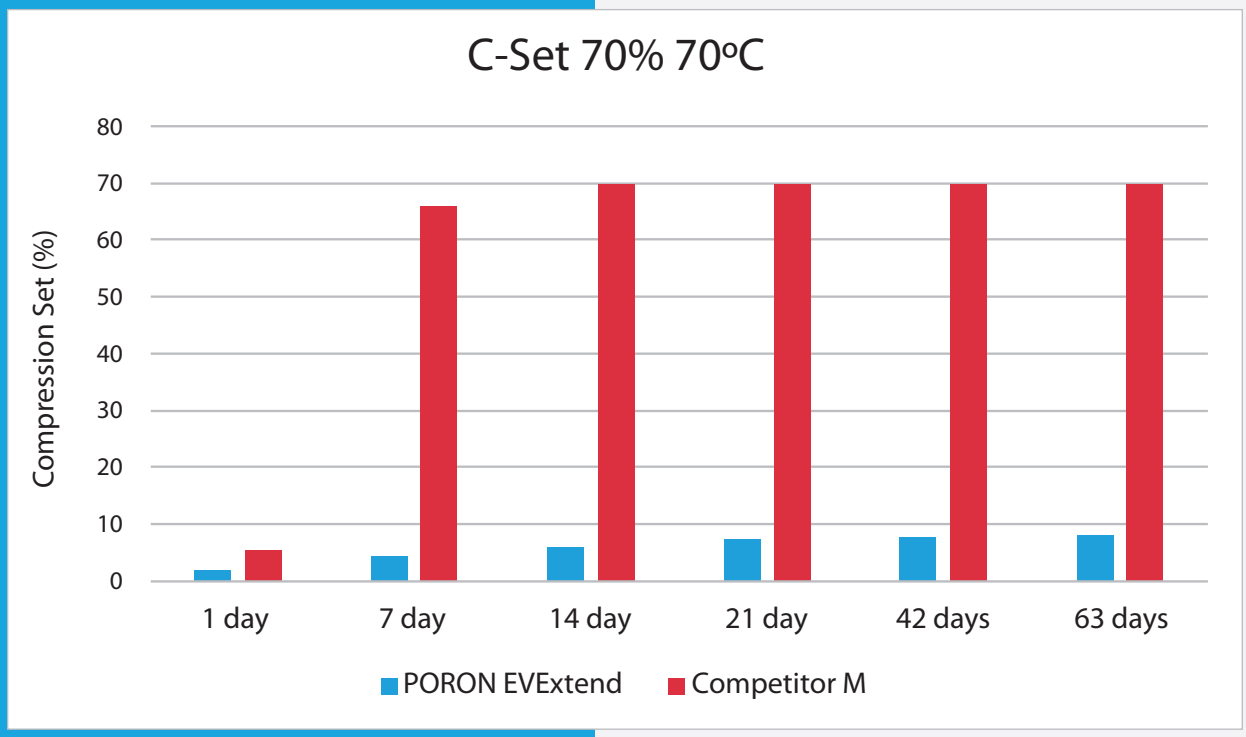
PORON EVExtend®
Battery Pad Material

Long Term Performance

Not only do battery pads need to maintain a constant pushback force across a wide range of compression levels, they also need to perform consistently for the life of the battery. Like all PORON® polyurethane materials, PORON EVExtend provides exceptional and unrivaled long term performance.

Compression Set

With a tight specification of 5% on compression set (per ASTM D3574 at 70°C) and additional long term testing (70% compression and 70°C), PORON EVExtend proves to be a highly resistant material that maintains its original thickness and properties throughout the life of the battery.



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