

Daramic® HPS-X™

Daramic HPS-X is a high-performance polyethylene battery separator designed for starting, lighting & ignition (SLI) and enhanced flooded (EFB) lead-acid batteries. The patented cross negative rib profile & special formulation deliver improved cycle life by providing excellent puncture resistance, slowing of dendrite short & better acid mixing. It also improves efficiency & yield during battery assembly.



Advantages

- Excellent for high under-hood temperature applications
- High puncture and oxidation resistance
- Available with glass mat for heavy duty applications
- Available in a wide range of product profiles

Benefits

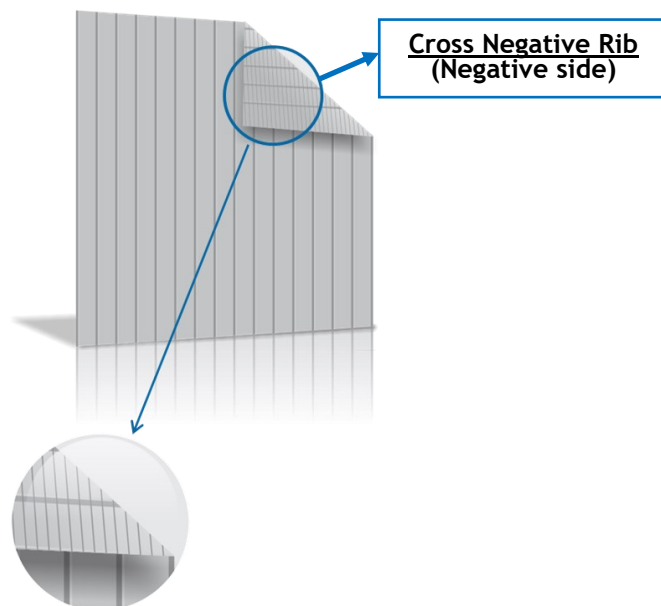
- Improved yields and lower scrap rates with patented profile design
- Lower risk of battery failures associated with dendrite shorts, especially in batteries designed for high power and narrow plate spacing (<0.80mm)
- Improved acid mixing with longer life, especially under Partial State of Charge operation
- Improved overall battery electrical performance

Daramic®
HPS-X™

Typical Values—Daramic® HPS-X™

Attribute	Typical Values
Baseweb Thickness (mm)	0.250
Electrical Resistance ($m\Omega\text{-cm}^2$)	82
Porosity (%)	62%
CMD Elongation (%)	400%
Puncture Resistance (N)	11
Total Oil (%)	17%

Daramic® HPS-X™ - Patented Cross Negative Rib



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