

## Daramic<sup>®</sup> HPS-X<sup>™</sup>

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 shorts & better acid mixing. It also improves efficiency & yield during battery assembly.



### Advantages

- Unique cross negative rib profile better supports enveloping
- Excellent for high under-hood temperature applications
- High puncture and oxidation resistance
- Low organic content formulation
- Available with glass mat for heavy duty applications
- Available in a wide range of product profiles

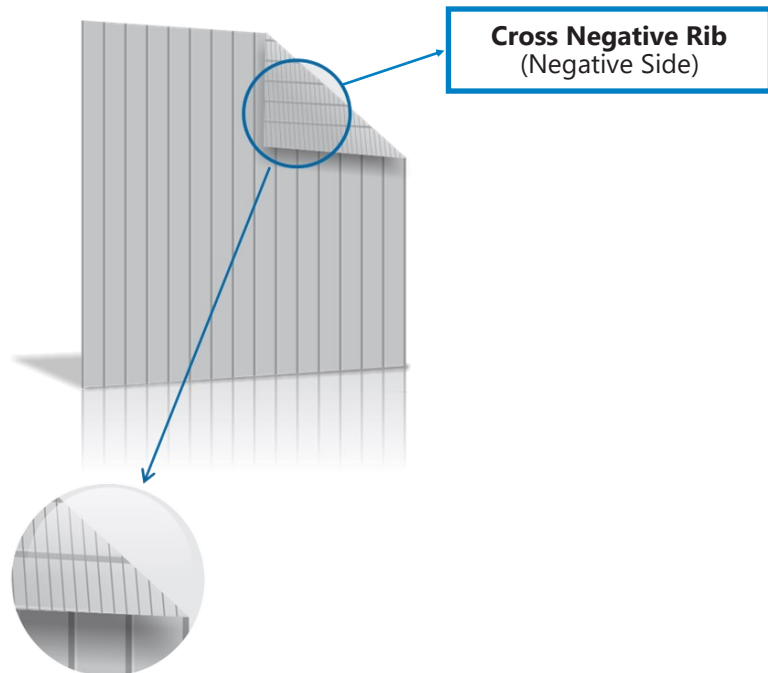
### Benefits

- 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<sup>®</sup>  
HPS-X<sup>™</sup>

## Typical Values—Daramic® HPS-X™

Attribute	Typical Values
Baseweb Thickness (mm)	0.250
Electrical Resistance (mΩ-cm <sup>2</sup> )	82
Porosity (%)	62%
CMD Elongation (%)	400%
Puncture Resistance (N)	11
Total Oil (%)	17%



**DARAMIC®**

Americas  
+1 704 587 8599

Asia Pacific  
+86 3813 13 9910

Europe, Middle East & Africa  
+33 3 88 82 4000

India  
+91 80 4256 1104