

Daramic HP+

Improved Water Loss Polyethylene Separator

Daramic HP+ is a unique high performance SLI PE separator designed for antimonial battery systems used in high temperature environments. This unique separator combines today's Daramic HP technology with a proprietary water loss prevention package. Proven with over 5 years of field experience, this unique design reduces water loss and electrical resistance while maintaining oxidation stability and puncture resistance.



Advantages

- Reduces water loss in SLI Original Equipment Manufacturer (OEM) 21 to 42 day water loss testing
- Improves water loss by 30% over typical PE separators
- High oxidation resistance
- PE pocketing to reduce internal shorts
- High porosity for lower electrical resistance

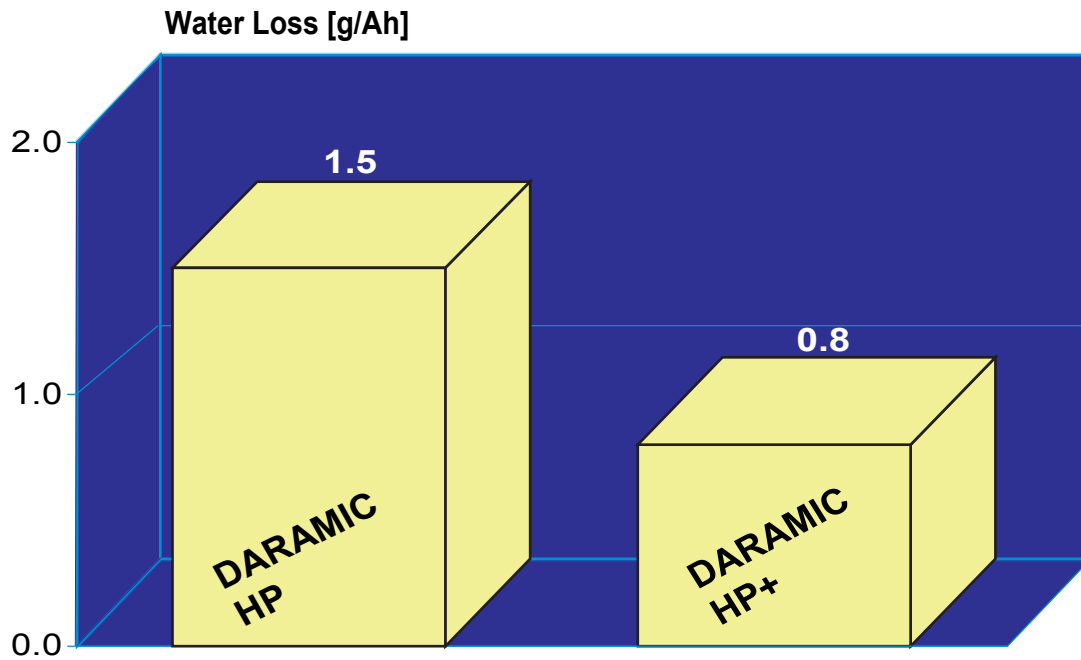
Benefits

- Over 18,000,000 square meters sold globally in 2008 into SLI high water loss applications
- 30% less customer watering maintenance
- Reduced potential for water born contamination
- 56m Ω cm² electrical resistance improves initial battery performance ratings over non-PE separator technologies
- Only SLI water loss separator available today to differentiate your battery from the competition

DARAMIC®

Daramic HP+

Water Loss Test Results - Hybrid Alloy



21 Days Overcharge 2.4 V/Cell at 40 °C Positive PbSb1.6 % / Negative PbCa

Typical Properties		
Backweb Thickness (microns)	200	250
Water Loss Option	Yes	Yes
ER (mΩ-cm ²)	56	72
Puncture (N)	13.6	13.4
Glassmat Option	Yes	Yes
Envelope / Pieces / Rolls	All	All
Porosity %	60%	60%

DARAMIC®

A **POLYPOR** Company

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