

Daramic HP

Daramic HP is a high-performance polyethylene battery separator designed for starting, lighting, and ignition (SLI) lead-acid battery applications, such as automobiles, trucks, and motorcycles.

Daramic HP is specially formulated to deliver excellent puncture and oxidation resistance, contains amorphous silica for high porosity, and a specially formulated oil that improves resistance to oxidation.



Advantages

- Excellent for high under-hood temperature applications
- High puncture and oxidation resistance
- Available with glass mat for heavy duty applications
- Lower backweb thickness
- High porosity for lower electrical resistance

Benefits

- Improved yields and lower scrap rates
- Lower risk of battery failures with thinner backweb
- Increased processing speeds
- Improved overall battery electrical performance
- Reduced acid displacement

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Daramic HP 200 - Typical Values

| Attributes | Units | Standard PE Separator | Daramic HP |
|---|--------------------|-----------------------|----------------------|
| Backweb Thickness | μm | 200 | 200 |
| Puncture Resistance | N | 7.5 | 13 |
| Oxidation Stability - CMD elongation after | % | Min 50 20h PEROX | Min 100 20h PEROX |
| Electrical Resistance | mΩ-cm ² | 70 | 55 |
| Porosity | % | 60 | 60 |
| Elongation CMD | % | 350 | 350 |
| Backweb Oil | % | 11-12 | 11-12 |
| Total Oil | % | 14-17 | 14-17 |
| Moisture Content | % | 3 | 3 |
| Dimensional Stability | % | -0.5 | -0.5 |



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