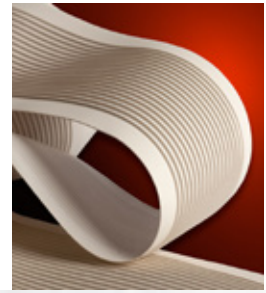




MICROPOROUS™

Proven. Partner. Focus.



CellForce®

The Best of Both Worlds in Battery Separators

Best suited for motive and certain deep-cycle applications, CellForce® combines the advantages of a rubber separator with the versatility of a PE separator.

Description:

CellForce® is formulated from ultra-high molecular weight polyethylene, amorphous silica, specifically formulated clean oil and a very specific, porous, vulcanized hard rubber.

Advantages:

- Suppression of antimony poisoning
- Lowered battery maintenance
- Less water loss
- Less power for recharge
- Longer battery life
- Less grid corrosion
- Allows use of antimony in positive grids
- Enhances deep-cycle performance
- More versatility for manufacturing



Features:

- Several profiles (major rib designs) available
- With or without glass mat
- Available in roll or leaf form
- Efficient charge and discharge cycles
- Can be enveloped, sleeved or used as leaves to best suit your manufacturing needs

CellForce® Separator Properties

Backweb Thickness (µm)	400
Electrical Resistance (mΩ·cm ²)	210
Volume Porosity (%)	55
Total Oil Content (%)	17
Elongation (CMD) (%)	175

CellForce®

CellForce® is a hybrid rubber/polyethylene separator designed specifically for industrial traction and deep discharge cycling in lead acid battery applications, including MOTIVE POWER, GOLF CAR, FLOOR MACHINES, AERIAL LIFTS, MARINE, ETC.

This highly flexible CellForce separator combines the strength and handling characteristics of typical polyethylene material with the electrochemical advantages and reliability of the proven rubber separators. This enables the battery assembly process to be more flexible with optional use of sleeves, envelopes or leaf type separators, while enhancing battery cycle life by positively affecting top-of-charge (TOC) voltages and reducing normal in-service maintenance.

Additional features include:

- Retards antimony transfer
- Highly flexible
- Wide variety of patterns
- Attached glass mat available
- Available in roll or leaf stock
- Compatible with all automatic assembly equipment

Key Deep Cycle Applications:

- Forklift
- Golf car
- Aerial work platforms
- Renewable energy
- Backup power
- Floor machine
- RV
- Marine
- Locomotive



Microporous is a leading, dedicated and highly specialized manufacturer of battery separators for flooded lead acid batteries.