



POLYPORE INTERNATIONAL, INC.

POLYPORE is a leading worldwide developer, manufacturer and marketer of highly specialized polymer-based membranes used in separation and filtration processes. Our products and technologies target specialized applications that require the removal or separation of various materials from liquids.

The microporous membranes we produce are highly engineered polymeric structures that contain millions of pores per square inch, enabling the management of ions, gases and particles that range in size from the cellular to the nano or molecular level. We believe our membrane technology platform is one of the broadest in the industries in which we participate.

We serve our customers globally through 11 manufacturing sites and 13 sales and service locations throughout the Americas, Europe and Asia, with sales relatively balanced across these regions.

We manage our operations under two business segments: energy storage and separations media.

BUSINESS SEGMENTS

ENERGY STORAGE

- Represents approximately two-thirds of our total sales
- Produces membrane separators that are the critical performance component in two types of batteries: lead-acid batteries used in transportation and industrial applications, and lithium batteries used in electronics applications

Market Overview *

- The lithium battery market is expected to grow at 10% annually, driven by demand for consumer electronics and hybrid electric vehicles (HEVs).
- The lead-acid battery market is expected to see continued steady growth due to after-market sales and the expanding worldwide fleet of motor vehicles.

Major Products

- Daramic® and Darak® lead-acid battery separators
- Celgard® lithium battery separators

Major End-Use Markets

- Transportation/motor vehicles
- Industrial applications
- Hybrid electric vehicles (HEVs)
- Consumer electronics

* Sources: Institute of Information Technology, WardsAuto.com

SEPARATIONS MEDIA

- Represents approximately one-third of our total sales
- Produces filtration membranes and modules that provide the critical functionality used in various healthcare and high-performance industrial and specialty applications

Market Overview **

- Demand for synthetic dialysis membranes is expected to increase due to the anticipated 6% annual growth rate of the hemodialysis market.
- The micro- and ultrafiltration membrane element market is projected to grow in excess of 8% annually, driven by the increasing need for purity in industrial and other applications.

Major Products

- Liqui-Cel®, SuperPhobic® and MiniModule® Membrane Contactors
- PUREMA® and DIAPES® synthetic dialysis membranes
- OXYPHAN® and CELGARD® oxygenation membranes
- MicroPES®, AccurelPP®, DuraPES® filtration membranes

Major End-Use Markets

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|--------------------------|--|
| ■ Healthcare | ■ Industrial & Specialty (ultrapure liquid filtration) |
| <i>Hemodialysis</i> | <i>Pharmaceutical</i> |
| <i>Blood Oxygenation</i> | <i>Food & beverage</i> |
| <i>Plasmapheresis</i> | <i>Microelectronics</i> |
| | <i>Biotechnology</i> |

** Sources: European Renal Association, Frost & Sullivan