



## Market Insights: Recycled Styrenics – 2023

**Market Insights: Recycled Styrenics - 2023** is one in a series of reports published as part of NexantECA Markets & Profitability program.

NexantECA's Market Insights report provides a comprehensive review of the global recycled polystyrene (rPS and rEPS) market, including supply by mechanical method and chemical processes and demand by product and end use.

The following scope is covered:

- Discussion regarding key market drivers and constraints for each region
- Markets for nine regions: North America, South America, Western Europe, Central Europe, Eastern Europe, Middle East, Africa, Asia Pacific, and China
- Competitiveness analysis, including competitive landscape and major recycling facilities (both mechanical and chemical) and cost competitiveness across US, Western Europe and China
- Price history and forecast with commentary regarding latest trends
- Forecast period: history to 2029 and forecast to 2035

Along with the written report, data is provided in Excel including capacity listings for major recycling facilities

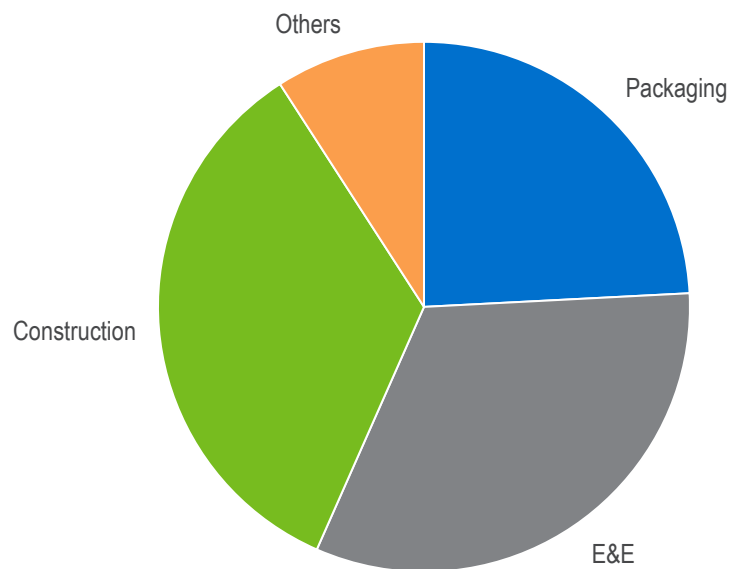
### Report Abstract:

Polystyrene including GPPS, HIPS and EPS are mechanically recycled. GPPS can be recycled to make GPPS, HIPS and EPS. HIPS can be recycled to HIPS, XPS and EPS, while EPS can be recycled to HIPS, EPS, GPPS and XPS. Styrenics packaging waste can be recycled and used in packaging, construction and others. In contrast, construction waste recycling and use is restricted to the construction sector itself.

Polystyrene insulation and packaging are eminently recyclable, while electronics and electrical recycling is limited. Converting packaging scrap back into food-grade packaging however poses much greater technical challenges to compared to re-use in other applications, and most bottle scrap globally is used to produce insulation. Post-consumer polystyrene bales contain various contaminants including labels and closures, liquid contents etc.

Growth for recycled polystyrene will depend on the underlying growth in the packaging, electrical and electronics, construction markets, the proportion of polystyrene scrap collected for recycling, and impending developments in chemical recycling which can unlock the much larger pool of end-use waste for recycling. The proportion of rPS that re-enters the market as packaging depends on both regional preferences and demand profiles, and the extent to which consumers are prepared to fund different sectors.

Global rPS demand by end use





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Each region section in Chapter 3 includes:

- Market Overview
- Market Drivers
- Competitive Landscape
- Supply and Demand
- Recycle Rate

## Report License Details:

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- Consultation time with the project team

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