

Sulfone Polymers (PSU, PPSU & PESU) – A Global Market Overview

"The report reviews, analyzes and projects the global market for Sulfone Polymers (PSU, PPSU, PESU) for the period 2019-2029 in terms of both volume (metric tons) and value (USD). This global market report analyzes the sulfone polymer product types comprising Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU). The report also analyzes the key end-use sectors of sulfone polymers including Aerospace & Military, Automotive, Electrical & Electronics, Food & Household, Mechanical/Industrial, Medical & Healthcare and Others (including filtration membranes)."

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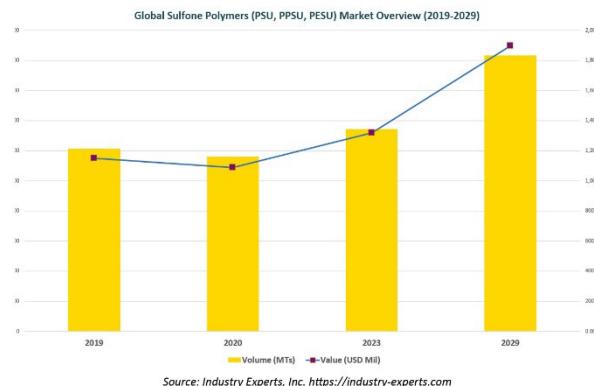
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Report Synopsis

Sulfone Polymers, also referred to as Polyarylsulfones, form a versatile group of aromatic amorphous thermoplastics, commercially available in three main types: Polysulfone (PSU), Polyethersulfone (PESU), and Polyphenylsulfone (PPSU). Renowned for their transparency, mechanical toughness, and rigidity, these polymers boast high glass transition temperatures and exceptional thermal-oxidative resistance. They exhibit notable resilience against hydrolysis and acidic assaults, alongside easy processability and remarkable stability, allowing for melt processing at temperatures reaching up to 400°C.

Mega trends that will continue to drive sulfone polymer consumption include, but are not limited to, a sustained and increased penetration of sulfone polymers in aircraft and automobiles, supported by ongoing efforts in reducing weight to improve fuel efficiency and meet CO2 emission standards. Additionally, the rising demand for food and consumer items requiring higher temperature limits, as well as the continued utilization of sulfone polymers in membrane applications, contribute to sustained growth. Moreover, insights from industry sources suggest that the ongoing trend of electronics miniaturization, which necessitates materials with elevated temperature requirements, further reinforces the demand for sulfone polymers.

Over the forecast period, as general economic conditions are expected to improve across major consuming regions, global market for sulfone polymers is anticipated to post a CAGR of 5.3% in volume and 6.2% in value terms between 2023 and 2029; and reach 92 thousand metric tons valued at US\$1.9 billion by 2029. Future growth of sulfone polymers market is mainly driven by above-average growth in automotive, aerospace & military, and filtration membranes applications coupled with increasing demand in electrical & electronics and medical & healthcare applications.





SAMPLE COMPANY PROFILE

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Business Overview

Solvay SA demerged into two independent publicly traded companies Solvay SA and Syensco SA in December 2023. Solvay SA activities now comprise mono-technology businesses including soda ash, peroxides, silica and coatis, as well as some part of the Special Chem business. Syensco SA business now comprise specialty polymers, high-performance composites, as well as the majority of its Solutions segment, including Novecare, Technology Solutions, Aroma Performance, and Oil & Gas. In 2020, Solvay SA has divested its performance polyamides (PA 66) business operations to BASF and DOMO Chemicals. Syensco SA, formed in December 2023, operates through two main business segments: Materials, and Consumer & Resources. The Materials segment includes the Specialty Polymers and Composite Materials business units, and the Consumer & Resources segment includes the Novecare, Technology Solutions, Aroma Performance and Oil & Gas business units. Syensco offers array of specialty polymers available in more than 1,500 formulations.

Product Portfolio

The sulfone polymers product line offered by Syensco includes Acudel® modified polyphenylsulfone (PPSU), Radel® PPSU, Udel® polysulfone (PSU), and Veradel® polyethersulfone (PESU). Syensco produces sulfone polymers at its facilities in Marietta (Ohio, US), Augusta (Georgia, the US), and Panoli (Gujarat, India). Their total sulfone polymers production capacity is roughly 36,000 tonnes per year.

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SAMPLE TABLE/CHART

Glance at 2019, 2023 and 2029 Global Sulfone Polymers Volume Market Share (%) by End-Use Sector – Aerospace & Military, Automotive, Building & Construction, Electrical & Electronics, Food & Household, Mechanical/Industrial, Medical & Healthcare and Others



Global Sulfone Polymers Market Analysis (2019-2029) by End-Use Sector – Aerospace & Military, Automotive, Building & Construction, Electrical & Electronics, Food & Household, Mechanical/Industrial, Medical & Healthcare and Others in USD Million



KEY PLAYERS PROFILED

- BASF SE (Germany)
- Changchun Jida Special Engineering Plastic Research Co., Ltd. (China)
- Guangdong Youju Advanced New Materials Co., Ltd. (China)
- Kingfa Science & Technology Co., Ltd. (China)
- Shandong Haoran Special Plastic Co., Ltd. (China)
- Shenzhen Wote Advanced Materials Co., Ltd. (China)
- Sumitomo Chemical Company, Limited (Japan)
- Syensco SA (Belgium)

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