

Middle East & Africa Plastics for SLS 3D Printing Market Forecast to 2030 - Regional Analysis - by Type (Polyamide, Thermoplastic Polyurethane (TPU), Polyether Ether Ketone (PEEK), and Others) and End-Use Industry (Healthcare, Aerospace & Defense, Automotive, Electronics, Others)

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Abstracts

The Middle East & Africa plastics for SLS 3D printing market was valued at US\$ 13.10 million in 2022 and is expected to reach US\$ 49.94 million by 2030; it is estimated to grow at a CAGR of 18.2% from 2022 to 2030.

Adoption of Recyclable Materials for SLS 3D Printing Bolsters Middle East & Africa Plastics for SLS 3D Printing Market

The adoption of more recyclable SLS materials and processes in the global plastic for SLS 3D printing market is anticipated to play a significant role in aligning with sustainability goals and reducing environmental impact. This trend is driven by a rising awareness of the environmental footprint of manufacturing processes and a desire to minimize waste. For instance, a few companies are working on SLS-compatible plastics that can be reprocessed and reused in new prints, reducing material waste and cutting down on the need for virgin materials. Furthermore, there is an increasing focus on optimizing SLS processes to make them more energy-efficient. The advances in SLS machine design and printing parameters aim to reduce energy consumption while maintaining high-quality output. This shift toward more sustainable SLS materials and practices benefits the environment as well as aligns with the sustainability goals of many industries. It allows businesses to reduce their environmental impact while embracing the advantages of SLS 3D printing, making it beneficial for both

manufacturing efficiency and eco-conscious practices. As sustainability remains a top priority across industries, the adoption of recyclable SLS materials and eco-friendly processes is expected to remain a future trend. Thus, the adoption of recyclable materials for SLS 3D printing is projected to boost the plastic for SLS 3D printing market growth in the coming years.

Middle East & Africa Plastics for SLS 3D Printing Market Overview

SLS 3D printing is a versatile technology used to produce a wide range of products, from prototypes to production components. In the Middle East & Africa, the demand for SLS 3D printing in various industries, such as automotive and aerospace & defense, is increasing. Further rising sales of vehicles in the region are expected to create lucrative opportunities for SLS 3D printing companies. According to the International Trade Administration, in 2020, Saudi Arabia accounted for 35% of the total vehicles sold in the Middle East & Africa. The report revealed that internal combustible engines (ICE) vehicles are expected to account for the majority of vehicles being driven in Saudi Arabia from 2021 to 2035. Further, it is estimated that 62,000 electric vehicles are likely to be sold in the Gulf Cooperation Council and 91,000 electric vehicles in the Middle East & Africa by 2025. According to the Dubai Water and Electricity Authority, the total number of electric vehicles in Dubai is estimated to be ~7.33 thousand in 2023 and is expected to reach 12.85 thousand by 2025. Therefore, the aforementioned factors are expected to drive the demand for plastics for SLS 3D printing.

Middle East & Africa Plastics for SLS 3D Printing Market Revenue and Forecast to 2030 (US\$ Million)

Middle East & Africa Plastics for SLS 3D Printing Market Segmentation

The Middle East & Africa plastics for SLS 3D printing market is segmented based on type, end-use industry, and country.

Based on type, the Middle East & Africa plastics for SLS 3D printing market is categorized into polyamide, thermoplastic polyurethane (TPU), polyether ether ketone (PEEK), and others. The polyamide segment held the largest Middle East & Africa plastics for SLS 3D printing market share in 2022.

In terms of end-use industry, the Middle East & Africa plastics for SLS 3D printing market is segmented into healthcare, aerospace & defense, automotive, electronics, and others. The others segment held the largest Middle East & Africa plastics for SLS

3D printing market share in 2022.

Based on country, the Middle East & Africa plastics for SLS 3D printing market is segmented into the UAE, South Africa, Saudi Arabia, Turkey, and the Rest of Middle East & Africa. The Rest of Middle East & Africa dominated the Middle East & Africa plastics for SLS 3D printing market in 2022.

BASF SE, Evonik Industries AG, Arkema SA, Stratasys Ltd, EOS GmbH, and CRP Service SRL are some of the leading companies operating in the Middle East & Africa plastics for SLS 3D printing market.

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