

South Korea Medical Tubing Market Size, Share, Trends and Forecast by Product, Structure, Application, End User, and Region, 2026-2034

<https://marketpublishers.com/r/S548C08E1CF5EN.html>

Date: July 2026

Pages: 115

Price: US\$ 2,999.00 (Single User License)

ID: S548C08E1CF5EN

Abstracts

The South Korea medical tubing market size reached USD 295.4 Million in 2025. Looking forward, the market is projected to reach USD 560.5 Million by 2034, exhibiting a growth rate (CAGR) of 7.15% during 2026-2034. The market is expanding steadily, driven by increased demand for minimally invasive devices, rising healthcare infrastructure, and growing adoption of catheter-based and diagnostic technologies. Local and international manufacturers are investing in high-performance materials such as silicone, TPU, and PTFE to meet stringent medical standards. As innovation in medical devices continues and healthcare delivery evolves, the sector's footprint widens, enhancing South Korea medical tubing market share.

SOUTH KOREA MEDICAL TUBING MARKET TRENDS:

Integrated Device Solutions

In South Korea's evolving medical landscape, tubing is increasingly viewed not simply as a separate part but rather as an essential component of integrated medical systems. More and more, medical tubing is being incorporated into catheters, infusion sets, diagnostic devices, and surgical kits to develop comprehensive solutions for hospitals and healthcare providers. This integration boosts device performance, simplifies assembly, and decreases treatment durations advantages that are highly regarded in clinical environments. In response, medical device manufacturers are collaborating with tubing specialists to co-develop systems that guarantee compatibility, sterility, and adherence to regulatory standards. For instance, in May 2025, Researchers at South Korea's Asan Medical Center developed a new photodynamic therapy catheter for treating esophageal cancer. The catheter features a stent coated with the

photosensitizer AI-PcS4 and includes a laser delivery channel for optimal light distribution. It is designed for immediate removal post-treatment, reducing complication risks. This trend complements the movement toward minimally invasive procedures, where tubing is required to fulfill multiple roles within a streamlined design. The rising demand for system-ready components is spurring innovation and fostering partnerships within the supply chain, significantly aiding in South Korea medical tubing market growth across various applications.

Quality & Regulatory Compliance

In South Korea's medical tubing market, regulatory compliance has become a core driver of innovation and operational excellence. With an increasing focus on adhering to rigorous domestic (KFDA) and international (ISO, FDA) standards, manufacturers are enhancing their production capabilities through state-of-the-art sterilization methods, controlled cleanroom settings, and traceable production processes. In April 2025, South Korea's MFDS has updated K-GMP regulations for medical devices and IVDs through MFDS Notice No. 2025-22. Key changes include new 'excellent quality control' standards, allowing desktop audits for compliant manufacturers, and updated provisions for Class 3 devices and minor non-conformities, enhancing quality management oversight. These practices, centered around quality, are crucial for ensuring patient safety, especially in areas such as implantable devices, infusion therapy, and diagnostic systems. Regulatory compliance not only enhances product credibility but also facilitates opportunities for global exports, positioning compliance as a strategic necessity. Companies are also allocating resources to quality management systems, engaging in third-party audits, and implementing process automation to ensure consistency and transparency. As healthcare providers and OEMs seek greater reliability and safety from components, this increased regulatory scrutiny is building trust and driving technological progress, which in turn further reinforces South Korea's status in the global medical tubing market.

SOUTH KOREA MEDICAL TUBING MARKET SEGMENTATION:

IMARC Group provides an analysis of the key trends in each segment of the market, along with forecasts at the country and regional levels for 2026-2034. Our report has categorized the market based on product, structure, application, and end user.

Product Insights:

Silicone

Polyolefins

Polyvinyl Chloride

Polycarbonates

Fluoropolymers

Others

The report has provided a detailed breakup and analysis of the market based on the product. This includes silicone, polyolefins, polyvinyl chloride, polycarbonates, fluoropolymers, and others.

Structure Insights:

Single-Lumen

Co-Extruded

Multi-Lumen

Tapered or Bump Tubing

Braided Tubing

A detailed breakup and analysis of the market based on the structure have also been provided in the report. This includes single-lumen, co-extruded, multi-lumen, tapered or bump tubing, and braided tubing.

Application Insights:

Bulk Disposable Tubing

Drug Delivery Systems

Catheters

Biopharmaceutical Laboratory Equipment

Others

The report has provided a detailed breakup and analysis of the market based on the application. This includes bulk disposable tubing, drug delivery systems, catheters, biopharmaceutical laboratory equipment, and others.

End User Insights:

Hospitals and Clinics

Ambulatory Surgical Centers

Medical Labs

Others

A detailed breakup and analysis of the market based on the end user have also been provided in the report. This includes hospitals and clinics, ambulatory surgical centers, medical labs, and others.

Regional Insights:

Seoul Capital Area

Yeongnam (Southeastern Region)

Honam (Southwestern Region)

Hoseo (Central Region)

Others

The report has also provided a comprehensive analysis of all the major regional markets, which include Seoul Capital Area, Yeongnam (Southeastern Region), Honam (Southwestern Region), Hoseo (Central Region), and others.

COMPETITIVE LANDSCAPE:

The market research report has also provided a comprehensive analysis of the competitive landscape. Competitive analysis such as market structure, key player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided.

KEY QUESTIONS ANSWERED IN THIS REPORT

How has the South Korea medical tubing market performed so far and how will it perform in the coming years?

What is the breakup of the South Korea medical tubing market on the basis of product?

What is the breakup of the South Korea medical tubing market on the basis of structure?

What is the breakup of the South Korea medical tubing market on the basis of application?

What is the breakup of the South Korea medical tubing market on the basis of end user?

What is the breakup of the South Korea medical tubing market on the basis of region?

What are the various stages in the value chain of the South Korea medical tubing market?

What are the key driving factors and challenges in the South Korea medical tubing market?

What is the structure of the South Korea medical tubing market and who are the key players?

What is the degree of competition in the South Korea medical tubing market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 SOUTH KOREA MEDICAL TUBING MARKET - INTRODUCTION

- 4.1 Overview
- 4.2 Market Dynamics
- 4.3 Industry Trends
- 4.4 Competitive Intelligence

5 SOUTH KOREA MEDICAL TUBING MARKET LANDSCAPE

- 5.1 Historical and Current Market Trends (2020-2025)
- 5.2 Market Forecast (2026-2034)

6 SOUTH KOREA MEDICAL TUBING MARKET - BREAKUP BY PRODUCT

- 6.1 Silicone
 - 6.1.1 Overview
 - 6.1.2 Historical and Current Market Trends (2020-2025)
 - 6.1.3 Market Forecast (2026-2034)
- 6.2 Polyolefins
 - 6.2.1 Overview
 - 6.2.2 Historical and Current Market Trends (2020-2025)

6.2.3 Market Forecast (2026-2034)

6.3 Polyvinyl Chloride

6.3.1 Overview

6.3.2 Historical and Current Market Trends (2020-2025)

6.3.3 Market Forecast (2026-2034)

6.4 Polycarbonates

6.4.1 Overview

6.4.2 Historical and Current Market Trends (2020-2025)

6.4.3 Market Forecast (2026-2034)

6.5 Fluoropolymers

6.5.1 Overview

6.5.2 Historical and Current Market Trends (2020-2025)

6.5.3 Market Forecast (2026-2034)

6.6 Others

6.6.1 Historical and Current Market Trends (2020-2025)

6.6.2 Market Forecast (2026-2034)

7 SOUTH KOREA MEDICAL TUBING MARKET - BREAKUP BY STRUCTURE

7.1 Single-Lumen

7.1.1 Overview

7.1.2 Historical and Current Market Trends (2020-2025)

7.1.3 Market Forecast (2026-2034)

7.2 Co-Extruded

7.2.1 Overview

7.2.2 Historical and Current Market Trends (2020-2025)

7.2.3 Market Forecast (2026-2034)

7.3 Multi-Lumen

7.3.1 Overview

7.3.2 Historical and Current Market Trends (2020-2025)

7.3.3 Market Forecast (2026-2034)

7.4 Tapered or Bump Tubing

7.4.1 Overview

7.4.2 Historical and Current Market Trends (2020-2025)

7.4.3 Market Forecast (2026-2034)

7.5 Braided Tubing

7.5.1 Overview

7.5.2 Historical and Current Market Trends (2020-2025)

7.5.3 Market Forecast (2026-2034)

8 SOUTH KOREA MEDICAL TUBING MARKET - BREAKUP BY APPLICATION

8.1 Bulk Disposable Tubing

8.1.1 Overview

8.1.2 Historical and Current Market Trends (2020-2025)

8.1.3 Market Forecast (2026-2034)

8.2 Drug Delivery Systems

8.2.1 Overview

8.2.2 Historical and Current Market Trends (2020-2025)

8.2.3 Market Forecast (2026-2034)

8.3 Catheters

8.3.1 Overview

8.3.2 Historical and Current Market Trends (2020-2025)

8.3.3 Market Forecast (2026-2034)

8.4 Biopharmaceutical Laboratory Equipment

8.4.1 Overview

8.4.2 Historical and Current Market Trends (2020-2025)

8.4.3 Market Forecast (2026-2034)

8.5 Others

8.5.1 Historical and Current Market Trends (2020-2025)

8.5.2 Market Forecast (2026-2034)

9 SOUTH KOREA MEDICAL TUBING MARKET - BREAKUP BY END USER

9.1 Hospitals and Clinics

9.1.1 Overview

9.1.2 Historical and Current Market Trends (2020-2025)

9.1.3 Market Forecast (2026-2034)

9.2 Ambulatory Surgical Centers

9.2.1 Overview

9.2.2 Historical and Current Market Trends (2020-2025)

9.2.3 Market Forecast (2026-2034)

9.3 Medical Labs

9.3.1 Overview

9.3.2 Historical and Current Market Trends (2020-2025)

9.3.3 Market Forecast (2026-2034)

9.4 Others

9.4.1 Historical and Current Market Trends (2020-2025)

9.4.2 Market Forecast (2026-2034)

10 SOUTH KOREA MEDICAL TUBING MARKET – BREAKUP BY REGION

10.1 Seoul Capital Area

10.1.1 Overview

10.1.2 Historical and Current Market Trends (2020-2025)

10.1.3 Market Breakup by Product

10.1.4 Market Breakup by Structure

10.1.5 Market Breakup by Application

10.1.6 Market Breakup by End User

10.1.7 Key Players

10.1.8 Market Forecast (2026-2034)

10.2 Yeongnam (Southeastern Region)

10.2.1 Overview

10.2.2 Historical and Current Market Trends (2020-2025)

10.2.3 Market Breakup by Product

10.2.4 Market Breakup by Structure

10.2.5 Market Breakup by Application

10.2.6 Market Breakup by End User

10.2.7 Key Players

10.2.8 Market Forecast (2026-2034)

10.3 Honam (Southwestern Region)

10.3.1 Overview

10.3.2 Historical and Current Market Trends (2020-2025)

10.3.3 Market Breakup by Product

10.3.4 Market Breakup by Structure

10.3.5 Market Breakup by Application

10.3.6 Market Breakup by End User

10.3.7 Key Players

10.3.8 Market Forecast (2026-2034)

10.4 Hoseo (Central Region)

10.4.1 Overview

10.4.2 Historical and Current Market Trends (2020-2025)

10.4.3 Market Breakup by Product

10.4.4 Market Breakup by Structure

10.4.5 Market Breakup by Application

10.4.6 Market Breakup by End User

10.4.7 Key Players

10.4.8 Market Forecast (2026-2034)

10.5 Others

10.5.1 Historical and Current Market Trends (2020-2025)

10.5.2 Market Forecast (2026-2034)

11 SOUTH KOREA MEDICAL TUBING MARKET – COMPETITIVE LANDSCAPE

11.1 Overview

11.2 Market Structure

11.3 Market Player Positioning

11.4 Top Winning Strategies

11.5 Competitive Dashboard

11.6 Company Evaluation Quadrant

12 PROFILES OF KEY PLAYERS

12.1 Company A

12.1.1 Business Overview

12.1.2 Products Offered

12.1.3 Business Strategies

12.1.4 SWOT Analysis

12.1.5 Major News and Events

12.2 Company B

12.2.1 Business Overview

12.2.2 Products Offered

12.2.3 Business Strategies

12.2.4 SWOT Analysis

12.2.5 Major News and Events

12.3 Company C

12.3.1 Business Overview

12.3.2 Products Offered

12.3.3 Business Strategies

12.3.4 SWOT Analysis

12.3.5 Major News and Events

12.4 Company D

12.4.1 Business Overview

12.4.2 Products Offered

12.4.3 Business Strategies

12.4.4 SWOT Analysis

- 12.4.5 Major News and Events
- 12.5 Company E
 - 12.5.1 Business Overview
 - 12.5.2 Products
 - 12.5.3 Offered
 - 12.5.4 Business Strategies
 - 12.5.5 SWOT Analysis
 - 12.5.6 Major News and Events

13 SOUTH KOREA MEDICAL TUBING MARKET - INDUSTRY ANALYSIS

- 13.1 Drivers, Restraints, and Opportunities
 - 13.1.1 Overview
 - 13.1.2 Drivers
 - 13.1.3 Restraints
 - 13.1.4 Opportunities
- 13.2 Porters Five Forces Analysis
 - 13.2.1 Overview
 - 13.2.2 Bargaining Power of Buyers
 - 13.2.3 Bargaining Power of Suppliers
 - 13.2.4 Degree of Competition
 - 13.2.5 Threat of New Entrants
 - 13.2.6 Threat of Substitutes
- 13.3 Value Chain Analysis

14 APPENDIX

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Product name: South Korea Medical Tubing Market Size, Share, Trends and Forecast by Product, Structure, Application, End User, and Region, 2026-2034

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