

North America Medical Plastics Market

Market Report | 2025-09-01 | 350 pages | Data Bridge Market Research

AVAILABLE LICENSES:

- Single User License \$3500.00
- Corporate Users License \$4200.00

Report description:

The North America medical plastics market is expected to reach USD 25.42 billion by 2032 from USD 10.53 billion in 2024, growing with a substantial CAGR of 11.80% in the forecast period of 2025 to 2032.

Market Segmentation:

By Type/Polymer (Polycarbonate, Polypropylene, Polyethylene, Poly Vinyl Chloride (PVC), Styrenics, Polyethylene Terephthalate Copolymer (PETG), Polymethyl Methacrylate (PMMA), Polypropylene Oxide, Polyetheretherketone (PEEK), Polyester, Polyamide, Thermoset Elastomers, Thermoplastic Elastomers, Acetal, Fluoropolymers, Biomaterials, Cellulose Based, Sulfones, Liquid Crystal Polymer and Others), By Application (Medical Devices, Medical Supplies And Consumables, Medical Devices Packaging, Implants and Others), Country (U.S., Canada, Mexico)--Industry Trends and Forecast To 2032.

Overview of North America medical plastics Market Dynamics:

Drivers

- Growing use of disposable medical devices across healthcare settings
- Rising adoption of minimally invasive procedures and diagnostic tools
- Continuous innovation in medical-grade plastic technologies
- Strengthening healthcare infrastructure in developing regions

Restraint

Complex regulatory requirements and environmental standards

Elevated costs of raw materials and manufacturing processes

Opportunity

- Development of sustainable and recyclable medical plastic materials
- Expansion of 3D printing applications and customized medical devices
- Growing demand for home-based healthcare and wearable devices

Challenges

- Inadequate infrastructure for recycling medical plastics
- Increasing competition from substitute materials

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Market Players:

The key market players operating in the North America Medical Plastic Market are listed below:

- SABIC (Saudi Arabia)
- BASF (Germany)
- Dow (U.S.)
- Mitsubishi Chemical Group Corporation (Japan)
- Covestro AG (Germany)
- Cleanese Corporation (Unknown)
- INEOS (U.K.)
- DuPont (U.S.)
- Arkema (France)
- Exxon Mobil Corporation (U.S.)
- Formosa Plastics Corporation (Taiwan)
- dsm-firmenich (Netherlands)
- SIBUR Holding PJSC (Russia)
- Huntsman International LLC (U.S.)
- Trinseo (U.S.)
- Evonik Industries AG (Germany)
- Lubrizol (U.S.)
- Kraton Corporation (U.S.)
- Biomerics (U.S.)
- Eastman Chemical Company (U.S.)
- Solvay (Belgium)
- Westlake Plastics (U.S.)
- Sinopec Zhenhai Refining & Chemical Company (China)

Table of Contents:

TABLE OF CONTENTS

- 1□INTRODUCTION□57
- 1.1□OBJECTIVES OF THE STUDY□57
- 1.2□MARKET DEFINITION□57
- 1.3□OVERVIEW□57
- 1.4□LIMITATIONS□59
- 1.5□MARKETS COVERED□59
- 2□MARKET SEGMENTATION□68
- 2.1□MARKETS COVERED□68
- 2.2□GEOGRAPHICAL SCOPE□69
- 2.3□YEARS CONSIDERED FOR THE STUDY□70
- 2.4□CURRENCY AND PRICING□70
- 2.5□DBMR TRIPOD DATA VALIDATION MODEL□71
- 2.6□MULTIVARIATE MODELING□74
- 2.7□PRIMARY INTERVIEWS WITH KEY OPINION LEADERS□75
- 2.8□DBMR MARKET POSITION GRID□76
- 2.9□DBMR VENDOR SHARE ANALYSIS□77
- 2.10□SECONDARY SOURCES□78

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

2.11	ASSUMPTIONS	79
3	EXECUTIVE SUMMARY	80
4	PREMIUM INSIGHTS	86
4.1	PESTEL ANALYSIS	88
4.1.1	POLITICAL FACTORS	88
4.1.2	ECONOMIC FACTORS	88
4.1.3	SOCIAL FACTORS	89
4.1.4	TECHNOLOGICAL FACTORS	89
4.1.5	ENVIRONMENTAL FACTORS	89
4.1.6	LEGAL FACTORS	90
4.2	PORTER'S FIVE FORCES	91
4.2.1	THREAT OF NEW ENTRANTS	91
4.2.2	BARGAINING POWER OF SUPPLIERS	91
4.2.3	BARGAINING POWER OF BUYERS	92
4.2.4	THREAT OF SUBSTITUTES	92
4.2.5	INTERNAL COMPETITION	92
4.3	IMPORT EXPORT SCENARIO	93
4.4	PRICING ANALYSIS	94
4.5	PRODUCTION CAPACITY: EUROPE FLOORING MATERIALS MARKET	95
4.6	PRODUCTION CONSUMPTION ANALYSIS	96
4.7	CLIMATE CHANGE SCENARIO IN THE NORTH AMERICA MEDICAL PLASTICS MARKET	97
4.7.1	ENVIRONMENTAL CONCERNS	97
4.7.2	INDUSTRY RESPONSE	97
4.7.3	GOVERNMENT'S ROLE	98
4.7.4	ANALYST RECOMMENDATIONS	98
4.7.5	CONCLUSION	99
4.8	SUPPLY CHAIN ANALYSIS FOR THE NORTH AMERICA MEDICAL PLASTICS MARKET	100
4.8.1	OVERVIEW	100
4.8.2	LOGISTIC COST SCENARIO	100
4.8.3	IMPORTANCE OF LOGISTICS SERVICE PROVIDERS	101
4.8.4	CONCLUSION	102
4.9	TECHNOLOGICAL INNOVATIONS ADVANCEMENT BY MANUFACTURERS	103
4.9.1	OVERVIEW	103
4.9.2	ADVANCED MEDICAL-GRADE POLYMER DEVELOPMENT	103
4.9.3	ANTIMICROBIAL AND FUNCTIONAL SURFACE INTEGRATION	103
4.9.4	SMART & SENSOR-EMBEDDED PLASTICS	103
4.9.5	ADDITIVE MANUFACTURING & RAPID CUSTOMIZATION	104
4.9.6	SUSTAINABLE & CIRCULAR FEEDSTOCK INTEGRATION	104
4.9.7	STERILIZATION-COMPATIBLE & LOW-RESIDUAL SYSTEMS	104
4.9.8	CONCLUSION	105
4.10	VENDOR SELECTION CRITERIA FOR THE NORTH AMERICA MEDICAL PLASTICS MARKET	106
4.10.1	REGULATORY COMPLIANCE AND CERTIFICATIONS	106
4.10.2	MATERIAL PORTFOLIO AND TECHNICAL SPECIFICATIONS	106
4.10.3	QUALITY CONTROL AND MANUFACTURING STANDARDS	106
4.10.4	SUPPLY CHAIN RELIABILITY AND LOGISTICS CAPABILITIES	106
4.10.5	R&D SUPPORT AND CUSTOMIZATION SERVICES	107
4.10.6	COST COMPETITIVENESS AND VALUE-ADDED SERVICES	107

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

4.10.7	SUSTAINABILITY AND ESG COMPLIANCE	107
4.10.8	CONCLUSION	107
4.11	RAW MATERIAL COVERAGE ON THE NORTH AMERICA MEDICAL PLASTICS MARKET	108
4.11.1	POLYPROPYLENE (PP) & POLYETHYLENE (PE)	108
4.11.2	POLYVINYL CHLORIDE (PVC) & POLYETHYLENE TEREPHTHALATE (PET)	108
4.11.3	HIGH-PERFORMANCE & ENGINEERING POLYMERS (PC, PEEK, PEI, PSU, PPSU)	108
4.11.4	ELASTOMERS & SOFT-FEEL POLYMERS (TPES, TPUS, SILICONE)	109
4.11.5	SPECIALTY ADDITIVES & COMPOUND SYSTEMS	109
4.11.6	SUSTAINABLE & ALTERNATIVE FEEDSTOCKS	109
4.11.7	SOURCING & RISK MITIGATION DYNAMICS	109
4.11.8	RECENT NORTH AMERICA ACTIVITIES	109
4.11.9	CONCLUSION	110
5	REGULATION COVERAGE FOR THE NORTH AMERICA MEDICAL PLASTICS MARKET	111
5.1	PRODUCT CODES AND CLASSIFICATION	111
5.2	CERTIFIED STANDARDS	111
5.3	SAFETY STANDARDS	112
5.4	MATERIAL HANDLING AND STORAGE	112
5.5	TRANSPORT AND PRECAUTIONS	112
5.6	HAZARD IDENTIFICATION	112
5.6.1	CONCLUSION	113
6	MARKET OVERVIEW	114
6.1	DRIVERS	116
6.1.1	GROWING USE OF DISPOSABLE MEDICAL DEVICES ACROSS HEALTHCARE SETTINGS	116
6.1.2	RISING ADOPTION OF MINIMALLY INVASIVE PROCEDURES AND DIAGNOSTIC TOOLS	116
6.1.3	CONTINUOUS INNOVATION IN MEDICAL-GRADE PLASTIC TECHNOLOGIES	117
6.1.4	STRENGTHENING HEALTHCARE INFRASTRUCTURE IN DEVELOPING REGIONS	118
6.2	RESTRAINTS	119
6.2.1	COMPLEX REGULATORY REQUIREMENTS AND ENVIRONMENTAL STANDARDS	119
6.2.2	ELEVATED COSTS OF RAW MATERIALS AND MANUFACTURING PROCESSES	120
6.3	OPPORTUNITIES	121
6.3.1	DEVELOPMENT OF SUSTAINABLE AND RECYCLABLE MEDICAL PLASTIC MATERIALS	121
6.3.2	EXPANSION OF 3D PRINTING APPLICATIONS AND CUSTOMIZED MEDICAL DEVICES	122
6.3.3	GROWING DEMAND FOR HOME-BASED HEALTHCARE AND WEARABLE DEVICES	122
6.4	CHALLENGES	124
6.4.1	INADEQUATE INFRASTRUCTURE FOR RECYCLING MEDICAL PLASTICS	124
6.4.2	INCREASING COMPETITION FROM SUBSTITUTE MATERIALS	124
7	NORTH AMERICA MEDICAL PLASTICS MARKET, BY TYPE/POLYMER	126
7.1	OVERVIEW	127
7.2	POLY VINYL CHLORIDE (PVC)	130
7.3	POLYPROPYLENE	131
7.4	POLYETHYLENE	132
7.4.1	POLYETHYLENE , BY TYPE	133
7.5	POLYETHYLENE TEREPHTHALATE COPOLYMER (PETG)	133
7.6	STYRENICS	134
7.6.1	STYRENICS, BY TYPE	135
7.7	POLYMETHYL METHACRYLATE (PMMA)	136
7.8	POLYPROPYLENE OXIDE	137

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

7.9	POLYCARBONATE	138
7.10	POLYETHERETHERKETONE (PEEK)	139
7.11	POLYESTER	140
7.11.1	POLYESTER, BY TYPE	141
7.12	POLYAMIDE	141
7.13	THERMOSET ELASTOMERS	142
7.13.1	THERMOSET ELASTOMERS, BY TYPE	143
7.13.1.1	Silicone, by type	144
7.14	THERMOPLASTIC ELASTOMERS	144
7.14.1	THERMOPLASTIC ELASTOMERS, BY TYPE	145
7.15	POLYURETHANE	146
7.16	FLUOROPOLYMERS	147
7.16.1	FLUOROPOLYMERS, BY TYPE	148
7.17	ACETAL	148
7.18	PMS	149
7.19	PEKK	150
7.20	CELLULOSE BASED	151
7.20.1	CELLULOSE BASED, BY TYPE	152
7.21	SULFONES	152
7.21.1	SULFONES, BY TYPE	153
7.22	LIQUID CRYSTAL POLYMER	154
7.23	BIOMATERIALS	155
7.23.1	BIOMATERIALS, BY TYPE	156
7.24	OTHERS	157
8	NORTH AMERICA MEDICAL PLASTICS MARKET, BY APPLICATION	158
8.1	OVERVIEW	159
8.2	MEDICAL DEVICES	161
8.2.1	MEDICAL DEVICES, BY SEGMENT	161
8.2.2	MEDICAL DEVICES, BY POLYMER	162
8.3	MEDICAL SUPPLIES AND CONSUMABLES	163
8.3.1	MEDICAL SUPPLIES AND CONSUMABLES, BY APPLICATION	164
8.3.1.1	Catheters, By Polymer	165
8.3.1.2	Medical Gloves, By Polymer	165
8.4	MEDICAL DEVICES PACKAGING	166
8.4.1	MEDICAL DEVICES PACKAGING, BY POLYMER	166
8.5	IMPLANTS	168
8.5.1	IMPLANTS, BY APPLICATION	168
8.5.1.1	Orthopaedic Implants, By Polymer	169
8.5.1.2	Dental Implants, By Polymer	170
8.5.1.3	Electronic Implants, By Polymer	171
9	NORTH AMERICA MEDICAL PLASTICS MARKET, BY REGION	172
9.1	NORTH AMERICA	173
9.1.1	U.S.	188
9.1.2	CANADA	201
9.1.3	MEXICO	214
10	NORTH AMERICA MEDICAL PLASTICS MARKET: COMPANY LANDSCAPE	226
10.1	COMPANY SHARE ANALYSIS: GLOBAL	226

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

11	SWOT ANALYSIS	227
12	COMPANY PROFILE	228
12.1	SABIC	228
12.1.1	COMPANY SNAPSHOT	228
12.1.2	REVENUE ANALYSIS	228
12.1.3	COMPANY SHARE ANALYSIS	229
12.1.4	PRODUCT PORTFOLIO	229
12.1.5	RECENT DEVELOPMENT	229
12.2	BASF	230
12.2.1	COMPANY SNAPSHOT	230
12.2.2	REVENUE ANALYSIS	230
12.2.3	COMPANY SHARE ANALYSIS	231
12.2.4	PRODUCT PORTFOLIO	231
12.2.5	RECENT DEVELOPMENT	232
12.3	DOW	233
12.3.1	COMPANY SNAPSHOT	233
12.3.2	REVENUE ANALYSIS	233
12.3.3	COMPANY SHARE ANALYSIS	234
12.3.4	PRODUCT PORTFOLIO	234
12.3.5	RECENT DEVELOPMENT	235
12.4	mitsubishi chemical group corporation.	236
12.4.1	COMPANY SNAPSHOT	236
12.4.2	REVENUE ANALYSIS	236
12.4.3	COMPANY SHARE ANALYSIS	237
12.4.4	PRODUCT PORTFOLIO	237
12.4.5	RECENT DEVELOPMENT	238
12.5	COVESTRO AG	239
12.5.1	COMPANY SNAPSHOT	239
12.5.2	REVENUE ANALYSIS	239
12.5.3	COMPANY SHARE ANALYSIS	240
12.5.4	PRODUCT PORTFOLIO	240
12.5.5	RECENT DEVELOPMENT	240
12.6	ARKEMA	241
12.6.1	COMPANY SNAPSHOT	241
12.6.2	REVENUE ANALYSIS	241
12.6.3	PRODUCT PORTFOLIO	242
12.6.4	RECENT DEVELOPMENT	242
12.7	BIOMERICS	243
12.7.1	COMPANY SNAPSHOT	243
12.7.2	PRODUCT PORTFOLIO	243
12.7.3	RECENT DEVELOPMENT	243
12.8	CLEANESE CORPORATION	244
12.8.1	COMPANY SNAPSHOT	244
12.8.2	REVENUE ANALYSIS	244
12.8.3	PRODUCT PORTFOLIO	245
12.8.4	RECENT DEVELOPMENT	245
12.9	DSM-FIRMENICH	246

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 12.9.1 COMPANY SNAPSHOT 246
- 12.9.2 REVENUE ANALYSIS 246
- 12.9.3 PRODUCT PORTFOLIO 247
- 12.9.4 RECENT DEVELOPMENT 247
- 12.10 DUPONT. 248
- 12.10.1 COMPANY SNAPSHOT 248
- 12.10.2 REVENUE ANALYSIS 248
- 12.10.3 PRODUCT PORTFOLIO 249
- 12.10.4 RECENT DEVELOPMENT 249
- 12.11 EASTMAN CHEMICAL COMPANY OR ITS SUBSIDIARIES 250
- 12.11.1 COMPANY SNAPSHOT 250
- 12.11.2 REVENUE ANALYSIS 250
- 12.11.3 PRODUCT PORTFOLIO 251
- 12.11.4 RECENT DEVELOPMENT 251
- 12.12 EXXON MOBIL CORPORATION 252
- 12.12.1 COMPANY SNAPSHOT 252
- 12.12.2 REVENUE ANALYSIS 252
- 12.12.3 PRODUCT PORTFOLIO 253
- 12.12.4 RECENT DEVELOPMENT 253
- 12.13 EVONIK 254
- 12.13.1 COMPANY SNAPSHOT 254
- 12.13.2 REVENUE ANALYSIS 254
- 12.13.3 PRODUCT PORTFOLIO 255
- 12.13.4 RECENT DEVELOPMENTS 256
- 12.14 FORMOSA PLASTICS CORPORATION, U.S.A. 257
- 12.14.1 COMPANY SNAPSHOT 257
- 12.14.2 PRODUCT PORTFOLIO 257
- 12.14.3 RECENT DEVELOPMENT 257
- 12.15 HUNTSMAN INTERNATIONAL LLC 258
- 12.15.1 COMPANY SNAPSHOT 258
- 12.15.2 REVENUE ANALYSIS 258
- 12.15.3 PRODUCT PORTFOLIO 259
- 12.15.4 RECENT DEVELOPMENTS 260
- 12.16 INEOS 261
- 12.16.1 COMPANY SNAPSHOT 261
- 12.16.2 PRODUCT PORTFOLIO 261
- 12.16.3 RECENT DEVELOPMENT 261
- 12.17 KRATON CORPORATION 262
- 12.17.1 COMPANY SNAPSHOT 262
- 12.17.2 PRODUCT PORTFOLIO 262
- 12.17.3 RECENT DEVELOPMENT 263
- 12.18 LUBRIZOL 264
- 12.18.1 COMPANY SNAPSHOT 264
- 12.18.2 PRODUCT PORTFOLIO 264
- 12.18.3 RECENT DEVELOPMENT 265
- 12.19 SINOPEC ZHENHAI REFINING & CHEMICAL COMPANY 266
- 12.19.1 COMPANY SNAPSHOT 266

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

12.19.2 PRODUCT PORTFOLIO 266
12.19.3 RECENT DEVELOPMENTS 266
12.20 SIBUR HOLDING PJSC 267
12.20.1 COMPANY SNAPSHOT 267
12.20.2 PRODUCT PORTFOLIO 267
12.20.3 RECENT DEVELOPMENT 268
12.21 SOLVAY 269
12.21.1 COMPANY SNAPSHOT 269
12.21.2 REVENUE ANALYSIS 269
12.21.3 PRODUCT PORTFOLIO 270
12.21.4 RECENT DEVELOPMENT 270
12.22 TRINSEO 271
12.22.1 COMPANY SNAPSHOT 271
12.22.2 REVENUE ANALYSIS 271
12.22.3 PRODUCT PORTFOLIO 272
12.22.4 RECENT DEVELOPMENT 272
12.23 WESTLAKE PLASTICS 273
12.23.1 COMPANY SNAPSHOT 273
12.23.2 PRODUCT PORTFOLIO 273
12.23.3 RECENT DEVELOPMENT 273
13 QUESTIONNAIRE 274
14 RELATED REPORTS 277
?

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

North America Medical Plastics Market

Market Report | 2025-09-01 | 350 pages | Data Bridge Market Research

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scott's-international.com

ORDER FORM:

Select license	License	Price
<input type="checkbox"/>	Single User License	\$3500.00
<input type="checkbox"/>	Corporate Users License	\$4200.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scott's-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-30"/>
		Signature	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scott's-international.com

www.scott's-international.com