

Thermoplastic Polyolefin Market by Type (In Situ TPO, Compounded TPO, POEs), Application (Automotive, Building & Construction, Medical, Wire and Cables), Region (North America, Europe, APAC, MEA, South America) - Global forecast to 2028

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Report description:

The Thermoplastic polyolefin Market is projected to reach USD 7.3 Billion by 2028, at a CAGR of 6.0% from USD 5.4 Billion in 2023. Thermoplastic polyolefin (TPO) finds diverse applications across industries due to its versatility. In the automotive sector, it is used for crafting lightweight yet durable interior and exterior components like bumpers and dashboards. TPO's weather-resistant and UV-stable properties make it a preferred material for construction applications, particularly in roofing and waterproofing. In consumer goods, TPO contributes to products such as luggage, toys, and sports equipment, benefitting from its impact resistance and ease of processing. The industrial sector employs TPO in cable insulation, gaskets, and industrial hoses, capitalizing on its chemical resistance and durability.

"Automotive, by application, accounts for the second-largest market share in 2022."

The automotive sector stands as the fastest-growing segment in the thermoplastic polyolefin (TPO) market primarily due to its pivotal role in addressing critical industry challenges. TPO's exceptional lightweight properties make it a top choice for replacing heavier materials in automotive components, boosting fuel efficiency and aligning with strict emissions standards. Its design flexibility allows for innovative and aerodynamic vehicle designs, enhancing appeal and accommodating advanced technologies. Moreover, TPO's cost-effectiveness bolsters its adoption by automakers seeking both performance and affordability, making it a key player in the ongoing transformation of the automotive industry towards sustainability and innovation.

"In situ TPO is expected to be the fastest growing at CAGR 6.6% for polyurethane catalyst market during the forecast period, in terms of value."

TPO's lightweight nature has significantly contributed to its growing adoption in industries like automotive and aerospace. In the automotive sector, the pursuit of improved fuel efficiency has become a paramount goal due to stringent emissions regulations and the growing emphasis on environmental sustainability. To address this challenge, automakers have turned to lightweight

materials like TPO as an effective means of reducing vehicle weight without compromising structural integrity. TPO's favorable strength-to-weight ratio allows for the replacement of heavier materials like metal or other thermoplastics in various automotive components, such as bumpers, interior trim, and exterior body panels. By incorporating TPO into vehicle design, automakers can achieve notable weight reductions, resulting in enhanced fuel efficiency and reduced carbon emissions, while also improving handling and overall performance.

"Based on region, North America was the second largest market for Thermoplastic polyolefin market in 2022."

North America has been a pivotal market for thermoplastic polyolefin (TPO) materials, with its widespread adoption spanning multiple industries. In the automotive sector, TPO has played a crucial role as a lightweight alternative, finding extensive use in the production of various automotive components like bumpers, interior trim, and exterior body panels. The region's automotive industry has emphasized the importance of TPO in achieving improved fuel efficiency and adhering to stringent emission regulations. In the construction sector, TPO roofing membranes and waterproofing materials have gained prominence for their exceptional durability and weather resistance, making them a preferred choice for flat roofs in both commercial and residential settings.

In the process of determining and verifying the market size for several segments and subsegments identified through secondary research, extensive primary interviews were conducted. A breakdown of the profiles of the primary interviewees is as follows:

- By Company Type: Tier 1 - 40%, Tier 2 - 30%, and Tier 3 - 30%
- By Designation: C-Level - 20%, Director Level - 10%, and Others - 70%

- By Region: North America - 20%, Europe -30%, Asia Pacific - 30%, Middle East & Africa - 10%, and South America-10%

The key players in this market include DOW (US), Mitsui Chemical, Inc. (Japan), Exxon Mobil Corporation (Texas), SABIC (Saudi Arabia), Sumitomo Chemicals Co., Ltd. (Japan), LyondellBasell Industries N.V. (Texas), Ineos Group Holdings SA (Switzerland), Borealis AG (Austria), Formosa Plastic Corporation (Taiwan), RTP Company (US).

Research Coverage

This report segments the market for the thermoplastic polyolefin material market on the basis of type, application, and region. It provides estimations for the overall value of the market across various regions. A detailed analysis of key industry players has been conducted to provide insights into their business overviews, products & services, key strategies, new product launches, expansions, and mergers & acquisitions associated with the market for the thermoplastic polyolefin material market.

Key benefits of buying this report

This research report is focused on various levels of analysis - industry analysis (industry trends), market ranking analysis of top players, and company profiles, which together provide an overall view of the competitive landscape, emerging and high-growth segments of the thermoplastic polyolefin material market; high-growth regions; and market drivers, restraints, opportunities, and challenges.

The report provides insights on the following pointers:

- Analysis of key drivers: Increasing demand for advanced technologies, Energy Efficiency and Sustainability.
- Market Penetration: Comprehensive information on the Polyurethane catalyst market offered by top players in the global Polyurethane catalyst market.
- Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the Polyurethane catalyst market.
- Market Development: Comprehensive information about lucrative emerging markets - the report analyzes the markets for the Polyurethane catalyst market across regions.
- Market Diversification: Exhaustive information about new products, untapped regions, and recent developments in the global Polyurethane catalyst market.
- Competitive Assessment: In-depth assessment of market shares, strategies, products, and manufacturing capabilities of leading players in the Polyurethane catalyst market.

Table of Contents:

- 1□INTRODUCTION□31
- 1.1□STUDY OBJECTIVES□31

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1.2 MARKET DEFINITION	31
1.3 INCLUSIONS & EXCLUSIONS	31
1.4 MARKET SCOPE	32
FIGURE 1 THERMOPLASTIC POLYOLEFIN MARKET SEGMENTATION	32
1.4.1 REGIONS COVERED	32
1.4.2 YEARS CONSIDERED	33
1.5 CURRENCY	33
1.6 LIMITATIONS	33
1.7 UNIT CONSIDERED	33
1.8 STAKEHOLDERS	34
1.9 SUMMARY OF CHANGES	34
1.10 RECESSION IMPACT	34
2 RESEARCH METHODOLOGY	35
2.1 RESEARCH DATA	35
FIGURE 2 THERMOPLASTIC POLYOLEFIN MARKET: RESEARCH DESIGN	35
2.1.1 SECONDARY DATA	36
2.1.2 PRIMARY DATA	36
2.1.2.1 Interviews with experts - top thermoplastic polyolefin manufacturers	36
2.1.2.2 Breakdown of interviews with experts	37
2.1.2.3 Key industry insights	37
2.2 BASE NUMBER CALCULATION	38
2.2.1 APPROACH 1: SUPPLY-SIDE ANALYSIS	38
2.2.2 APPROACH 2: DEMAND-SIDE APPROACH	38
2.3 FORECAST NUMBER CALCULATION	38
2.3.1 SUPPLY SIDE	38
2.3.2 DEMAND SIDE	39
2.4 MARKET SIZE ESTIMATION	39
2.4.1 BOTTOM-UP APPROACH	39
2.4.2 TOP-DOWN APPROACH	40
2.5 DATA TRIANGULATION	41
FIGURE 3 THERMOPLASTIC POLYOLEFIN MARKET: DATA TRIANGULATION	41
2.6 ASSUMPTIONS	42
?	
3 EXECUTIVE SUMMARY	43
FIGURE 4 IN-SITU THERMOPLASTIC POLYOLEFIN TO DOMINATE THERMOPLASTIC POLYOLEFIN MARKET BETWEEN 2023 AND 2028 (USD MILLION)	44
FIGURE 5 AUTOMOTIVE APPLICATION TO HOLD MAJOR SHARE IN THERMOPLASTIC POLYOLEFIN MARKET BETWEEN 2023 AND 2028 (USD MILLION)	45
FIGURE 6 ASIA PACIFIC TO ACCOUNT FOR LARGEST SHARE OF THERMOPLASTIC POLYOLEFIN MARKET IN 2023	46
4 PREMIUM INSIGHTS	48
4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN THERMOPLASTIC POLYOLEFIN MARKET	48
FIGURE 7 INCREASING AWARENESS REGARDING SUSTAINABLE DEVELOPMENT TO DRIVE MARKET DURING FORECAST PERIOD	48
4.2 THERMOPLASTIC POLYOLEFIN MARKET: REGIONAL ANALYSIS	49
FIGURE 8 ASIA PACIFIC TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD	49
4.3 THERMOPLASTIC POLYOLEFIN, BY PRODUCT TYPE	49
FIGURE 9 POES SEGMENT TO ACCOUNT FOR LARGEST SHARE BY 2028	49
4.4 THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION	50

FIGURE 10 AUTOMOTIVE SEGMENT ACCOUNTED FOR LARGEST SHARE IN 2028 50

4.5 ASIA PACIFIC THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION AND COUNTRY 50

FIGURE 11 CHINA TO ACCOUNT FOR SIGNIFICANT SHARE IN 2023 50

5 MARKET OVERVIEW 51

5.1 INTRODUCTION 51

5.2 MARKET DYNAMICS 51

FIGURE 12 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES IN THERMOPLASTIC POLYOLEFIN MARKET 51

5.2.1 DRIVERS 52

5.2.1.1 Increasing usage of thermoplastic polyolefins in exterior and interior parts of automobiles 52

5.2.1.2 Steady growth in building & construction industry 52

5.2.1.3 Increasing usage of thermoplastic polyolefin waterproofing membrane in repair and maintenance activities 53

5.2.2 RESTRAINTS 53

5.2.2.1 Raw material price volatility 53

5.2.2.2 Limited temperature applications of thermoplastic polyolefin 53

5.2.3 OPPORTUNITIES 54

5.2.3.1 Intra replacement of other thermoplastic polymers with thermoplastic polyolefins 54

5.2.3.2 Growing penetration of EVs worldwide 54

5.2.3.3 Rising demand from emerging applications 54

5.2.3.4 Increasing demand from the packaging industry 54

5.2.4 CHALLENGES 55

5.2.4.1 Growing trend of plastic recycling 55

5.3 PORTER'S FIVE FORCES ANALYSIS 55

FIGURE 13 THERMOPLASTIC POLYOLEFIN: PORTER'S FIVE FORCES ANALYSIS 56

5.3.1 BARGAINING POWER OF SUPPLIERS 56

5.3.2 THREAT OF NEW ENTRANTS 57

5.3.3 THREAT OF SUBSTITUTES 57

5.3.4 BARGAINING POWER OF BUYERS 57

5.3.5 INTENSITY OF COMPETITIVE RIVALRY 58

6 INDUSTRY TRENDS 59

6.1 RECESSION IMPACT 59

6.2 VALUE CHAIN ANALYSIS 59

FIGURE 14 VALUE CHAIN FOR THERMOPLASTIC POLYOLEFIN MARKET 59

6.2.1 RAW MATERIAL SUPPLIERS 60

6.2.2 THERMOPLASTIC POLYOLEFIN MANUFACTURERS 60

6.2.3 DISTRIBUTORS 60

6.2.4 END USER 60

6.3 MACROECONOMIC INDICATORS 61

6.3.1 GDP TRENDS AND FORECASTS OF MAJOR ECONOMIES 61

TABLE 1 GDP TRENDS AND FORECASTS, BY KEY COUNTRIES, 2019-2027 (USD MILLION) 61

6.4 THERMOPLASTIC POLYOLEFIN MARKET REGULATIONS 62

6.4.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 62

TABLE 2 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 62

TABLE 3 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 63

TABLE 4 ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 63

6.5 TRADE ANALYSIS 64

6.5.1 EXPORT SCENARIO 64

FIGURE 15 EXPORT SCENARIO FOR HS CODE 3902300 BY KEY COUNTRIES, (2019 - 2022) 64

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FIGURE 16 EXPORT SCENARIO FOR HS CODE 3902300 BY KEY COUNTRIES, (2019 - 2022) 65

6.5.2 IMPORT SCENARIO 65

FIGURE 17 IMPORT SCENARIO FOR HS CODE 3902300, BY KEY COUNTRIES, (2019 - 2022) 65

FIGURE 18 IMPORT SCENARIO FOR HS CODE 390190, BY KEY COUNTRIES, (2019-2022) 66

6.6 PATENT ANALYSIS 66

6.6.1 INTRODUCTION 66

6.6.2 METHODOLOGY 66

6.6.2.1 Document type 66

TABLE 5 GRANTED PATENTS ACCOUNTED FOR 37% OF TOTAL COUNT IN LAST 10 YEARS 67

6.6.2.2 Publication trends over last ten years 67

6.6.3 INSIGHTS 67

6.6.4 LEGAL STATUS OF PATENTS 68

6.6.5 JURISDICTION ANALYSIS 68

FIGURE 19 TOP JURISDICTION-BY DOCUMENT 68

6.6.6 TOP COMPANIES/APPLICANTS 69

6.7 TRENDS/DISRUPTIONS IMPACTING BUSINESSES 69

6.7.1 REVENUE SHIFTS & NEW REVENUE POCKETS FOR THERMOPLASTIC POLYOLEFIN MARKET 69

FIGURE 20 REVENUE SHIFT OF THERMOPLASTIC POLYOLEFIN PROVIDERS 69

6.8 ECOSYSTEM 70

TABLE 6 GDP TRENDS AND FORECASTS, BY KEY COUNTRIES, 2019-2027 70

FIGURE 21 THERMOPLASTIC POLYOLEFIN MARKET: ECOSYSTEM 71

6.9 TECHNOLOGY ANALYSIS 71

6.9.1 EXTRUSION 71

6.9.2 INJECTION MOLDING 72

TABLE 7 ADVANTAGES OF CATALYST DEVELOPMENT FOR THERMOPLASTIC POLYOLEFINS 72

6.10 KEY STAKEHOLDERS AND BUYING CRITERIA 73

6.10.1 KEY STAKEHOLDERS IN BUYING PROCESS 73

FIGURE 22 INFLUENCE OF STAKEHOLDERS IN BUYING PROCESS FOR TOP 5 APPLICATIONS 73

TABLE 8 INFLUENCE OF INSTITUTIONAL BUYERS IN BUYING PROCESS FOR TOP 5 APPLICATIONS 73

6.10.2 BUYING CRITERIA 74

FIGURE 23 KEY BUYING CRITERIA FOR END-USER INDUSTRIES 74

TABLE 9 KEY BUYING CRITERIA FOR END-USER INDUSTRIES 74

6.11 AVERAGE PRICE ANALYSIS 75

FIGURE 24 WEIGHTED AVERAGE PRICING ANALYSIS (USD/TON) OF THERMOPLASTIC POLYOLEFIN, BY REGION, 2020 75

6.12 CASE STUDY 76

7 THERMOPLASTIC POLYOLEFIN MARKET, BY TYPE 77

7.1 INTRODUCTION 78

FIGURE 25 POES WAS LARGEST SEGMENT OF THERMOPLASTIC POLYOLEFINS MARKET IN 2022 78

TABLE 10 THERMOPLASTIC POLYOLEFIN MARKET, BY TYPE, 2019-2022 (TON) 78

TABLE 11 THERMOPLASTIC POLYOLEFIN MARKET, BY TYPE, 2023-2028 (TON) 79

TABLE 12 THERMOPLASTIC POLYOLEFIN MARKET, BY TYPE, 2019-2026 (USD MILLION) 79

TABLE 13 THERMOPLASTIC POLYOLEFIN MARKET, BY TYPE, 2023-2028 (USD MILLION) 79

7.2 IN-SITU THERMOPLASTIC POLYOLEFIN 79

7.2.1 INCREASING APPLICATION IN AUTOMOTIVE AND CONSTRUCTION INDUSTRIES TO DRIVE DEMAND 79

7.3 COMPOUNDED THERMOPLASTIC POLYOLEFIN 80

7.3.1 PHYSICOCHEMICAL CHARACTERISTICS TO DRIVE DEMAND IN AUTOMOTIVE INDUSTRY 80

7.4 POLYOLEFIN ELASTOMERS (POES) 80

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7.4.1 INCREASING USAGE AS ALTERNATIVE TO RUBBER TO SUPPORT MARKET GROWTH	80
8 THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION	82
8.1 INTRODUCTION	83
FIGURE 26 AUTOMOTIVE APPLICATION WAS LARGEST SEGMENT OF THERMOPLASTIC POLYOLEFIN MARKET IN 2022	83
TABLE 14 THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	83
TABLE 15 THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	84
TABLE 16 THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (TON)	84
TABLE 17 THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (TON)	84
FIGURE 27 THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2026 (USD MILLION)	85
8.2 AUTOMOTIVE	85
8.2.1 INCREASING PENETRATION OF EVS TO DRIVE MARKET	85
8.3 BUILDING & CONSTRUCTION	86
8.3.1 WATERPROOFING THERMOPLASTIC POLYOLEFIN MEMBRANES TO SUPPORT MARKET GROWTH	86
8.4 WIRE & CABLE	87
8.4.1 GROWING DEMAND FOR WIRES & CABLES THERMOPLASTIC POLYOLEFIN TO DRIVE MARKET	87
8.5 MEDICAL	88
8.5.1 COMPLIANCE WITH MEDICAL & HEALTHCARE STANDARDS TO DRIVE MARKET	88
8.6 OTHERS	88
9 THERMOPLASTIC POLYOLEFIN MARKET, BY REGION	89
9.1 INTRODUCTION	90
FIGURE 28 ASIA PACIFIC TO BE FASTEST-GROWING MARKET DURING FORECAST PERIOD	90
TABLE 18 THERMOPLASTIC POLYOLEFIN MARKET, BY REGION, 2019-2022 (TON)	90
TABLE 19 THERMOPLASTIC POLYOLEFIN MARKET, BY REGION, 2023-2028 (TON)	91
TABLE 20 THERMOPLASTIC POLYOLEFIN MARKET, BY REGION, 2019-2022 (USD MILLION)	91
TABLE 21 THERMOPLASTIC POLYOLEFIN MARKET, BY REGION, 2023-2028 (USD MILLION)	91
TABLE 22 THERMOPLASTIC POLYOLEFIN MARKET, BY TYPE, 2019-2022 (TON)	92
TABLE 23 THERMOPLASTIC POLYOLEFIN MARKET, BY TYPE, 2023-2028 (TON)	92
TABLE 24 THERMOPLASTIC POLYOLEFIN MARKET, BY TYPE, 2019-2022 (USD MILLION)	92
TABLE 25 THERMOPLASTIC POLYOLEFIN MARKET, BY TYPE, 2023-2028 (USD MILLION)	92
TABLE 26 THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	93
TABLE 27 THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	93
TABLE 28 THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (TON)	93
TABLE 29 THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (TON)	94
9.2 ASIA PACIFIC	94
9.3 RECESSION IMPACT	94
FIGURE 29 ASIA PACIFIC: THERMOPLASTIC POLYOLEFIN MARKET SNAPSHOT	95
TABLE 30 ASIA PACIFIC: THERMOPLASTIC POLYOLEFIN MARKET, BY COUNTRY, 2019-2022 (TON)	96
TABLE 31 ASIA PACIFIC: THERMOPLASTIC POLYOLEFIN MARKET, BY COUNTRY, 2023-2028 (TON)	96
TABLE 32 ASIA PACIFIC: THERMOPLASTIC POLYOLEFIN MARKET, BY COUNTRY, 2019-2026 (USD MILLION)	96
TABLE 33 ASIA PACIFIC: THERMOPLASTIC POLYOLEFIN MARKET, BY COUNTRY, 2023-2028 (USD MILLION)	97
TABLE 34 ASIA PACIFIC: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (TON)	97
TABLE 35 ASIA PACIFIC: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (TON)	97
TABLE 36 ASIA PACIFIC: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	98
TABLE 37 ASIA PACIFIC: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	98
TABLE 38 ASIA PACIFIC: THERMOPLASTIC POLYOLEFIN MARKET, BY TYPE, 2019-2022 (TON)	98
TABLE 39 ASIA PACIFIC: THERMOPLASTIC POLYOLEFIN MARKET, BY TYPE, 2023-2028 (TON)	99
TABLE 40 ASIA PACIFIC: THERMOPLASTIC POLYOLEFIN MARKET, BY TYPE, 2019-2022 (USD MILLION)	99

TABLE 41 ASIA PACIFIC: THERMOPLASTIC POLYOLEFIN MARKET, BY TYPE, 2023-2028 (USD MILLION) 99

9.3.1 CHINA 99

9.3.1.1 Growing automotive and building & construction sectors and upcoming government policies to drive growth 99

TABLE 42 CHINA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (TON) 100

TABLE 43 CHINA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (TON) 101

TABLE 44 CHINA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (USD MILLION) 101

TABLE 45 CHINA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 101

9.3.2 INDIA 102

9.3.2.1 Increasing FDI investment in industrial sector to drive market 102

TABLE 46 INDIA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (TON) 102

TABLE 47 INDIA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (TON) 103

TABLE 48 INDIA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2026 (USD MILLION) 103

TABLE 49 INDIA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 103

9.3.3 JAPAN 104

9.3.3.1 High usage rate of thermoplastic polyolefin in automotive industry to drive growth 104

TABLE 50 JAPAN: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (TON) 104

TABLE 51 JAPAN: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (TON) 105

TABLE 52 JAPAN: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (USD MILLION) 105

TABLE 53 JAPAN: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 105

9.3.4 SOUTH KOREA 106

9.3.4.1 Building & construction sector to drive market 106

TABLE 54 SOUTH KOREA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (TON) 106

TABLE 55 SOUTH KOREA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (TON) 107

TABLE 56 SOUTH KOREA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2026 (USD MILLION) 107

TABLE 57 SOUTH KOREA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 107

9.3.5 REST OF ASIA PACIFIC 108

TABLE 58 REST OF ASIA PACIFIC: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (TON) 108

TABLE 59 REST OF ASIA PACIFIC: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (TON) 109

TABLE 60 REST OF ASIA PACIFIC: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2026 (USD MILLION) 109

TABLE 61 REST OF ASIA PACIFIC: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 109

9.4 NORTH AMERICA 110

9.5 RECESSION IMPACT 110

FIGURE 30 NORTH AMERICA: THERMOPLASTIC POLYOLEFIN MARKET SNAPSHOT 111

TABLE 62 NORTH AMERICA: THERMOPLASTIC POLYOLEFIN MARKET, BY COUNTRY, 2019-2022 (TON) 111

TABLE 63 NORTH AMERICA: THERMOPLASTIC POLYOLEFIN MARKET, BY COUNTRY, 2023-2028 (TON) 112

TABLE 64 NORTH AMERICA: THERMOPLASTIC POLYOLEFIN MARKET, BY COUNTRY, 2019-2026 (USD MILLION) 112

TABLE 65 NORTH AMERICA: THERMOPLASTIC POLYOLEFIN MARKET, BY COUNTRY, 2023-2028 (USD MILLION) 112

TABLE 66 NORTH AMERICA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (TON) 112

TABLE 67 NORTH AMERICA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (TON) 113

TABLE 68 NORTH AMERICA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (USD MILLION) 113

TABLE 69 NORTH AMERICA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 113

TABLE 70 NORTH AMERICA: THERMOPLASTIC POLYOLEFIN MARKET, BY TYPE, 2019-2022 (TON) 114

TABLE 71 NORTH AMERICA: THERMOPLASTIC POLYOLEFIN MARKET, BY TYPE, 2023-2028 (TON) 114

TABLE 72 NORTH AMERICA: THERMOPLASTIC POLYOLEFIN MARKET, BY TYPE, 2019-2022 (USD MILLION) 114

TABLE 73 NORTH AMERICA: THERMOPLASTIC POLYOLEFIN MARKET, BY TYPE, 2023-2028 (USD MILLION) 114

9.5.1 US 115

9.5.1.1 Increasing usage thermoplastic polyolefin in vehicles due to low weight to drive market 115

TABLE 74 US: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (USD MILLION) 115

TABLE 75 US: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 116

TABLE 76 US: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (TON) 116

TABLE 77 US: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (TON) 116

9.5.2 CANADA 117

9.5.2.1 Increasing vehicle production to drive demand 117

TABLE 78 CANADA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (USD MILLION) 117

TABLE 79 CANADA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 118

TABLE 80 CANADA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (TON) 118

TABLE 81 CANADA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (TON) 118

9.5.3 MEXICO 119

9.5.3.1 Rise in automobile production to surge demand 119

TABLE 82 MEXICO: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (USD MILLION) 120

TABLE 83 MEXICO: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 120

TABLE 84 MEXICO: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (TON) 120

TABLE 85 MEXICO: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (TON) 121

9.6 EUROPE 121

9.7 RECESSION IMPACT 121

FIGURE 31 EUROPE: THERMOPLASTIC POLYOLEFIN MARKET SNAPSHOT 122

TABLE 86 EUROPE: THERMOPLASTIC POLYOLEFIN MARKET, BY COUNTRY, 2019-2022 (USD MILLION) 123

TABLE 87 EUROPE: THERMOPLASTIC POLYOLEFIN MARKET, BY COUNTRY, 2023-2028 (USD MILLION) 123

TABLE 88 EUROPE: THERMOPLASTIC POLYOLEFIN MARKET, BY COUNTRY, 2019-2026 (TON) 123

TABLE 89 EUROPE: THERMOPLASTIC POLYOLEFIN MARKET, BY COUNTRY, 2023-2028 (TON) 124

TABLE 90 EUROPE: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (TON) 124

TABLE 91 EUROPE: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (TON) 124

TABLE 92 EUROPE: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (USD MILLION) 125

TABLE 93 EUROPE: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 125

TABLE 94 EUROPE: THERMOPLASTIC POLYOLEFIN MARKET, BY TYPE, 2019-2022 (TON) 125

TABLE 95 EUROPE: THERMOPLASTIC POLYOLEFIN MARKET, BY TYPE, 2023-2028 (TON) 126

TABLE 96 EUROPE: THERMOPLASTIC POLYOLEFIN MARKET, BY TYPE, 2019-2022 (USD MILLION) 126

TABLE 97 EUROPE: THERMOPLASTIC POLYOLEFIN MARKET, BY TYPE, 2023-2028 (USD MILLION) 126

9.7.1 GERMANY 126

9.7.1.1 Government support for boosting automotive industry to drive market 126

TABLE 98 GERMANY: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (USD MILLION) 127

TABLE 99 GERMANY: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 127

TABLE 100 GERMANY: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (TON) 128

TABLE 101 GERMANY: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (TON) 128

9.7.2 UK 128

9.7.2.1 Increase in automobile registrations and construction industry output to drive market 128

TABLE 102 UK: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (USD MILLION) 129

TABLE 103 UK: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 129

TABLE 104 UK: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (TON) 129

TABLE 105 UK: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (TON) 130

9.7.3 FRANCE 130

9.7.3.1 Rising automobile production and output from construction industry to drive market 130

TABLE 106 FRANCE: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (USD MILLION) 130

TABLE 107 FRANCE: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 131

TABLE 108 FRANCE: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (TON) 131

TABLE 109 FRANCE: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (TON) 131

9.7.4 SPAIN 132

9.7.4.1 Rise in automobile production to drive demand 132

TABLE 110 SPAIN: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (USD MILLION) 132

TABLE 111 SPAIN: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 133

TABLE 112 SPAIN: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (TON) 133

TABLE 113 SPAIN: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (TON) 133

9.7.5 ITALY 134

9.7.5.1 Growth of automotive sector to drive market 134

TABLE 114 ITALY: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (USD MILLION) 134

TABLE 115 ITALY: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 134

TABLE 116 ITALY: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (TON) 135

TABLE 117 ITALY: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (TON) 135

9.7.6 REST OF EUROPE 135

TABLE 118 REST OF EUROPE: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (USD MILLION) 136

TABLE 119 REST OF EUROPE: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 136

TABLE 120 REST OF EUROPE: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (TON) 136

TABLE 121 REST OF EUROPE: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (TON) 137

9.8 MIDDLE EAST & AFRICA 137

9.9 RECESSION IMPACT 137

FIGURE 32 MIDDLE EAST AND AFRICA: THERMOPLASTIC POLYOLEFIN MARKET SNAPSHOT 138

TABLE 122 MIDDLE EAST AND AFRICA: THERMOPLASTIC POLYOLEFIN MARKET, BY COUNTRY, 2019-2022 (TON) 138

TABLE 123 MIDDLE EAST AND AFRICA: THERMOPLASTIC POLYOLEFIN MARKET, BY COUNTRY, 2023-2028 (TON) 139

TABLE 124 MIDDLE EAST AND AFRICA: THERMOPLASTIC POLYOLEFIN MARKET, BY COUNTRY, 2019-2026 (USD MILLION) 139

TABLE 125 MIDDLE EAST AND AFRICA: THERMOPLASTIC POLYOLEFIN MARKET, BY COUNTRY, 2023-2028 (USD MILLION) 139

TABLE 126 MIDDLE EAST AND AFRICA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (TON) 140

TABLE 127 MIDDLE EAST AND AFRICA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (TON) 140

TABLE 128 MIDDLE EAST AND AFRICA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (USD MILLION) 140

TABLE 129 MIDDLE EAST AND AFRICA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 141

TABLE 130 MIDDLE EAST AND AFRICA: THERMOPLASTIC POLYOLEFIN MARKET, BY TYPE, 2019-2022 (TON) 141

TABLE 131 MIDDLE EAST AND AFRICA: THERMOPLASTIC POLYOLEFIN MARKET, BY TYPE, 2023-2028 (TON) 141

TABLE 132 MIDDLE EAST AND AFRICA: THERMOPLASTIC POLYOLEFIN MARKET, BY TYPE, 2019-2022 (USD MILLION) 142

TABLE 133 MIDDLE EAST AND AFRICA: THERMOPLASTIC POLYOLEFIN MARKET, BY TYPE, 2023-2028 (USD MILLION) 142

9.9.1 SOUTH AFRICA 142

9.9.1.1 Steady recovery of several end-use industries from COVID-19 impact to drive market 142

TABLE 134 SOUTH AFRICA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (TON) 143

TABLE 135 SOUTH AFRICA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (TON) 143

TABLE 136 SOUTH AFRICA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (USD MILLION) 143

TABLE 137 SOUTH AFRICA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 144

9.9.2 GCC COUNTRIES 144

9.9.2.1 Investment in automotive and construction industries to drive market 144

TABLE 138 GCC COUNTRIES: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (TON) 145

TABLE 139 GCC COUNTRIES: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (TON) 145

TABLE 140 GCC COUNTRIES: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (USD MILLION) 146

TABLE 141 GCC COUNTRIES: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 146

9.9.3 REST OF MIDDLE EAST & AFRICA 146

TABLE 142 REST OF MIDDLE EAST & AFRICA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (TON) 147

TABLE 143 REST OF MIDDLE EAST & AFRICA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (TON) 147

TABLE 144 REST OF MIDDLE EAST & AFRICA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (USD MILLION) 147

TABLE 145 REST OF MIDDLE EAST & AFRICA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 148

?

9.10 SOUTH AMERICA 148

9.11 RECESSION IMPACT 148

FIGURE 33 SOUTH AMERICA: THERMOPLASTIC POLYOLEFIN MARKET SNAPSHOT 149

TABLE 146 SOUTH AMERICA: THERMOPLASTIC POLYOLEFIN MARKET, BY COUNTRY, 2019-2022 (TON) 149

TABLE 147 SOUTH AMERICA: THERMOPLASTIC POLYOLEFIN MARKET, BY COUNTRY, 2023-2028 (TON) 150

TABLE 148 SOUTH AMERICA: THERMOPLASTIC POLYOLEFIN MARKET, BY COUNTRY, 2019-2026 (USD MILLION) 150

TABLE 149 SOUTH AMERICA: THERMOPLASTIC POLYOLEFIN MARKET, BY COUNTRY, 2023-2028 (USD MILLION) 150

TABLE 150 SOUTH AMERICA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (TON) 151

TABLE 151 SOUTH AMERICA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (TON) 151

TABLE 152 SOUTH AMERICA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (USD MILLION) 151

TABLE 153 SOUTH AMERICA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 152

TABLE 154 SOUTH AMERICA: THERMOPLASTIC POLYOLEFIN MARKET, BY TYPE, 2019-2022 (TON) 152

TABLE 155 SOUTH AMERICA: THERMOPLASTIC POLYOLEFIN MARKET, BY TYPE, 2023-2028 (TON) 152

TABLE 156 SOUTH AMERICA: THERMOPLASTIC POLYOLEFIN MARKET, BY TYPE, 2019-2022 (USD MILLION) 152

TABLE 157 SOUTH AMERICA: THERMOPLASTIC POLYOLEFIN MARKET, BY TYPE, 2023-2028 (USD MILLION) 153

9.11.1 BRAZIL 153

9.11.1.1 Rising demand from automotive sector to drive market 153

TABLE 158 BRAZIL: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (TON) 154

TABLE 159 BRAZIL: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (TON) 154

TABLE 160 BRAZIL: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (USD MILLION) 154

TABLE 161 BRAZIL: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 155

9.11.2 ARGENTINA 155

9.11.2.1 Sluggish growth of manufacturing sector to drive market 155

TABLE 162 ARGENTINA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (TON) 155

TABLE 163 ARGENTINA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (TON) 156

TABLE 164 ARGENTINA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (USD MILLION) 156

TABLE 165 ARGENTINA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 156

9.11.3 REST OF SOUTH AMERICA 157

TABLE 166 REST OF SOUTH AMERICA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (TON) 157

TABLE 167 REST OF SOUTH AMERICA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (TON) 157

TABLE 168 REST OF SOUTH AMERICA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2019-2022 (USD MILLION) 158

TABLE 169 REST OF SOUTH AMERICA: THERMOPLASTIC POLYOLEFIN MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 158

10 COMPETITIVE LANDSCAPE 159

10.1 INTRODUCTION 159

10.2 STRATEGIES ADOPTED BY KEY PLAYERS 159

10.2.1 OVERVIEW OF STRATEGIES ADOPTED BY KEY THERMOPLASTIC POLYOLEFIN MANUFACTURERS 159

10.3 MARKET SHARE ANALYSIS 160

10.3.1 RANKING OF KEY MARKET PLAYERS, 2022 160

FIGURE 34 RANKING OF TOP FIVE PLAYERS IN THERMOPLASTIC POLYOLEFIN MARKET, 2022 160

10.3.2 MARKET SHARE OF KEY PLAYERS 160

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TABLE 170 THERMOPLASTIC POLYOLEFIN: DEGREE OF COMPETITION 161

FIGURE 35 THERMOPLASTIC POLYOLEFIN MARKET IN 2022 161

10.3.2.1 SABIC 162

10.3.2.2 Sumitomo Chemical CO., LTD. 162

10.3.2.3 ExxonMobil Corporation 162

10.3.2.4 DOW 162

10.3.2.5 Mitsui Chemicals, Inc 162

10.4 COMPANY PRODUCT FOOTPRINT ANALYSIS 163

TABLE 171 THERMOPLASTIC POLYOLEFIN MARKET: KEY COMPANY APPLICATION FOOTPRINT 163

TABLE 172 THERMOPLASTIC POLYOLEFIN MARKET: KEY COMPANY TYPE FOOTPRINT 163

TABLE 173 THERMOPLASTIC POLYOLEFIN MARKET: KEY COMPANY REGION FOOTPRINT 164

10.5 COMPANY EVALUATION QUADRANT (TIER 1) 164

10.5.1 STARS 164

10.5.2 EMERGING LEADERS 164

10.5.3 PERVERSIVE PLAYERS 164

10.5.4 PARTICIPANTS 165

FIGURE 36 THERMOPLASTIC POLYOLEFIN MARKET COMPANY EVALUATION MATRIX, 2022 (TIER 1) 165

10.6 COMPETITIVE BENCHMARKING 166

TABLE 174 THERMOPLASTIC POLYOLEFIN MARKET: DETAILED LIST OF KEY STARTUPS/SMES 166

10.6.1 THERMOPLASTIC POLYOLEFIN MARKET: COMPETITIVE BENCHMARKING OF KEY STARTUPS/SMES 167

TABLE 175 SME PLAYERS APPLICATION FOOTPRINT 167

TABLE 176 SME PLAYERS TYPE FOOTPRINT 168

TABLE 177 THERMOPLASTIC POLYOLEFIN MARKET: SME PLAYERS REGION FOOTPRINT 169

10.7 STARTUP/SME EVALUATION QUADRANT 169

10.7.1 RESPONSIVE COMPANIES 169

10.7.2 STARTING BLOCKS 169

10.7.3 PROGRESSIVE COMPANIES 170

10.7.4 DYNAMIC COMPANIES 170

FIGURE 37 THERMOPLASTIC POLYOLEFIN MARKET START-UPS/SMES COMPANY EVALUATION MATRIX, 2022 170

10.8 COMPETITIVE SCENARIOS AND TRENDS 171

10.8.1 PRODUCT LAUNCHES 171

TABLE 178 THERMOPLASTIC POLYOLEFIN MARKET: PRODUCT LAUNCHES (2019-2022) 171

10.8.2 DEALS 171

TABLE 179 THERMOPLASTIC POLYOLEFIN MARKET: DEALS (2020-2023) 171

10.8.3 OTHER DEVELOPMENTS 172

TABLE 180 THERMOPLASTIC POLYOLEFIN OTHER DEVELOPMENTS (2021-2023) 172

11 COMPANY PROFILES 173

11.1 KEY PLAYERS 173

(Business Overview, Products Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats))*

11.1.1 DOW 173

TABLE 181 DOW: COMPANY OVERVIEW 173

FIGURE 38 DOW: COMPANY SNAPSHOT 174

TABLE 182 DOW: PRODUCTS/SERVICES/SOLUTIONS OFFERED 174

TABLE 183 DOW : OTHER DEVELOPMENTS 175

TABLE 184 DOW: PRODUCT LAUNCHES 175

11.1.2 MITSUI CHEMICALS, INC. 177

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TABLE 185 MITSUI CHEMICALS, INC.: COMPANY OVERVIEW	177
TABLE 186 MITSUI CHEMICALS, INC.: PRODUCTS/SERVICES/SOLUTIONS OFFERED	178
11.1.3 EXXONMOBIL CORPORATION	179
TABLE 187 EXXONMOBIL CORPORATION: BUSINESS OVERVIEW	179
FIGURE 39 EXXONMOBIL CORPORATION: COMPANY SNAPSHOT	180
TABLE 188 EXXONMOBIL CORPORATION: PRODUCTS/SERVICES/SOLUTIONS OFFERED	180
11.1.4 SABIC	183
TABLE 189 SABIC: COMPANY OVERVIEW	183
FIGURE 40 SABIC: COMPANY SNAPSHOT	184
TABLE 190 SABIC: PRODUCTS/SERVICES/SOLUTIONS OFFERED	184
TABLE 191 SABIC: DEAL	185
TABLE 192 SABIC: DEALS	186
TABLE 193 SABIC: PRODUCT LAUNCHES	186
11.1.5 SUMITOMO CHEMICAL CO., LTD.	188
TABLE 194 SUMITOMO CHEMICAL CO., LTD.: BUSINESS OVERVIEW	188
FIGURE 41 SUMITOMO CHEMICAL CO., LTD: COMPANY SNAPSHOT	189
TABLE 195 SUMITOMO CHEMICAL CO., LTD.: PRODUCTS/SERVICES/SOLUTIONS OFFERED	189
11.1.6 LYONDELLBASELL INDUSTRIES N.V.	191
TABLE 196 LYONDELLBASELL INDUSTRIES N.V.: COMPANY OVERVIEW	191
FIGURE 42 LYONDELLBASELL INDUSTRIES N.V.: COMPANY SNAPSHOT	191
TABLE 197 LYONDELLBASELL INDUSTRIES N.V.: PRODUCTS/SERVICES/SOLUTIONS OFFERED	192
11.1.7 INEOS GROUP HOLDING SA	193
TABLE 198 INEOS GROUP HOLDINGS S.A.: COMPANY OVERVIEW	193
FIGURE 43 INEOS GROUP LTD: COMPANY SNAPSHOT	194
TABLE 199 INEOS GROUP HOLDING SA: PRODUCTS/SERVICES/SOLUTIONS OFFERED	194
11.1.8 RECENT DEVELOPMENTS	195
TABLE 200 INEOS GROUP HOLDINGS S.A.: DEALS	195
TABLE 201 INEOS GROUP HOLDINGS S.A.: PRODUCT LAUNCH	196
11.1.9 BOREALIS AG	197
TABLE 202 BOREALIS AG: BUSINESS OVERVIEW	197
FIGURE 44 BOREALIS AG: COMPANY SNAPSHOT	198
TABLE 203 BOREALIS AG: PRODUCTS/SERVICES/SOLUTIONS OFFERED	198
TABLE 204 BOREALIS AG: DEALS	199
11.1.10 FORMOSA PLASTIC CORPORATION	200
TABLE 205 FORMOSA PLASTICS CORPORATION: COMPANY OVERVIEW	200
11.1.11 PRODUCTS/SERVICES/SOLUTIONS OFFERED	200
TABLE 206 FORMOSA PLASTICS CORPORATION: PRODUCT OFFERINGS	200
11.1.12 RECENT DEVELOPMENTS	201
TABLE 207 FORMOSA PLASTICS CORPORATION: PRODUCT LAUNCH	201
11.1.13 RTP COMPANY	202
TABLE 208 RTP COMPANY: COMPANY OVERVIEW	202
TABLE 209 RTP COMPANY: PRODUCTS/SERVICES/SOLUTIONS OFFERED	202
TABLE 210 RTP COMPANY: DEALS	203
11.2 OTHER PLAYERS	204
11.2.1 POLYONE CORPORATION	204
TABLE 211 POLYONE CORPORATION: COMPANY OVERVIEW	204
11.2.2 MITSUBISHI CHEMICAL HOLDING CORPORATION	205

TABLE 212 MITSUBISHI CHEMICAL HOLDING CORPORATION: COMPANY OVERVIEW 205

11.2.3 ELASTRON 206

TABLE 213 ELASTRON: COMPANY OVERVIEW 206

11.2.4 GAF 206

TABLE 214 GAF: COMPANY OVERVIEW 206

11.2.5 TEKNOR APEX COMPANY 207

TABLE 215 TEKNOR APEX COMPANY : COMPANY OVERVIEW 207

11.2.6 RAIGH REFINING AND PETROCHEMICAL COMPANY 207

TABLE 216 RAIGH REFINING AND PETROCHEMICAL COMPANY: COMPANY OVERVIEW 207

11.2.7 NOBLE POLYMERS 208

TABLE 217 NOBLE POLYMERS: COMPANY OVERVIEW 208

11.2.8 HEXPOL AB 208

TABLE 218 HEXPOL AB: COMPANY OVERVIEW 208

11.2.9 WASHINGTON PENN 209

TABLE 219 WASHINGTON PENN: COMPANY OVERVIEW 209

11.2.10 ALPHAGARY LIMITED 209

TABLE 220 ALPHAGARY LIMITED: COMPANY OVERVIEW 209

11.2.11 SAUDI ARAMCO 210

TABLE 221 SAUDI ARAMCO: COMPANY OVERVIEW 210

11.2.12 KRATON CORPORATION 210

TABLE 222 KRATON CORPORATION: COMPANY OVERVIEW 210

11.2.13 ADELL PLASTICS, INC. INCORPORATION 211

TABLE 223 ADELL PLASTICS, INC.: COMPANY OVERVIEW 211

11.2.14 ASAHI KASEI 212

TABLE 224 ASAHI KASEI: COMPANY OVERVIEW 212

11.2.15 ZEON CORPORATION 213

TABLE 225 ZEON CORPORATION: COMPANY OVERVIEW 213

*Details on Business Overview, Products Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats) might not be captured in case of unlisted companies.

12 APPENDIX 214

12.1 DISCUSSION GUIDE 214

12.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL 216

12.3 CUSTOMIZATION OPTIONS 218

12.4 RELATED REPORTS 218

12.5 AUTHOR DETAILS 219

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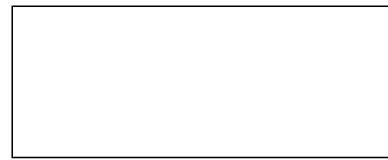
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