

Ultra-High Molecular Weight Polyethylene Market by Form (Sheets, Rods & Tubes, Fibers, Films, Tapes), End-Use Industry (Aerospace, Defense & Shipping, Healthcare & Medical, Mechanical Equipment, Consumer Goods), Region - Global Forecast to 2027

Market Report | 2022-07-08 | 210 pages | MarketsandMarkets

AVAILABLE LICENSES:

- Single User \$4950.00
- Multi User \$6650.00
- Corporate License \$8150.00
- Enterprise Site License \$10000.00

Report description:

The UHMW PE market is estimated at USD 1.8 billion in 2022 and is projected to reach USD 2.8 billion by 2027, at a CAGR of 9.1% during forecast period. The market has a promising growth potential due to several factors including, increasing use of UHMW PE for the manufacture of prosthetic implant, rapid industrialization, and changing lifestyle in emerging economies such as India and China. However, fluctuation in price of raw material is expected to restrain the UHMW PE market.

The COVID-19 had severely impacted UHMW PE market, as most of the major companies operating in this market are based out of US and Europe, and have their manufacturing units in China and other Asian countries which suffered nationwide lockdown and shutdown of production plants. The disruptions in the supply chain due to a lack of raw materials and workforce resulted in hampering production units.

Sheets segment is projected to be the fastest-growing form in the UHMW PE market followed by the fiber during the forecast period.

Sheets followed by the fiber segment is projected to be the fastest and second-fastest-growing form in the UHMW PE market between 2022-2027. The properties such as resistance to wear and impact lead to increasing application of UHMW PE sheets in industrial applications in the aerospace, shipment, manufacturing. The properties such as ease of machining, self-lubrication, and chemical stability leads to increasing use of UHMW PE sheets in conveyor belts in the food and beverage industry. These properties are expected to drive the growth of sheets segment in UHMW PE market.

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

UHMW PE fiber finds applications in ropes, manufacture ballistic protection materials, and cut-resistant gloves. The increase in military spending across geographies is expected to boost the demand for ballistic protection materials, which in turn is expected to drive the demand for fiber in UHMW PE market.

Mechanical Equipment segment is the largest end-use industry in UHMW PE market in 2022

Machine equipment finds applications across various end-use industries such as food & beverage, textiles, packaging, paper & pulp, power, chemical, minerals & metals, agriculture, cement and logistics & transportation. UHMW PE exhibits properties such as, enhancement of surface lubricity, which leads to the smooth movement in machine components, and reduction in jamming of equipment/components from dirt, grit, or static build-up.

North America is the largest region In UHMW PE market in 2022 and Asia-Pacific is expected to be the fastest-growing region in the market during forecast period

North America region account for the largest share in UHMW PE market in 2022. The growth of the UHWM PE market in this region is attributed to the increase in the number of joint replacement surgeries for knees and hips.

Asia-Pacific is expected to be the fastest-growing segment during 2022-2027, owing to the increasing military expenditure, rapid industrialization, and government initiatives in countries like India and China. The presence of strong technology and manufacturing capabilities of Japan is also expected to drive the market in the region.

Breakdown of primary interviews for the report on the UHMW PE market

-□By Company Type - Tier 1 - 40%, Tier 2 -30%, and Tier 3 - 30%

-□By Designation - C-Level - 20%, D-Level Executives - 10%, and Others - 70%

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

The UHMW PE market is dominated by few major companies such as Celanese Corporation (US), Royal DSM N.V. (Netherlands), LyondellBasell Industries N.V. (Netherlands), Braskem S.A (Brazil), Asahi Kasei Corporation, (Japan).

Research Coverage

The report covers the UHMW PE market and forecasts its size, by volume and value, by form (sheets, rods & tubes, fibers, films, tapes and others), end-use industry (aerospace, defense & shipping, healthcare & medical, mechanical equipment, consumer goods and others) and by region (North America, South America, Middle East & Africa, Europe and Asia-Pacific).

The report also provides a comprehensive review of market drivers, restraints, opportunities, and challenges in the UHMW PE market. The report also covers qualitative aspects in addition to the quantitative aspects of these markets.

Key Benefits of Buying the Report

The report will help the leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall market and the sub-segments. This report will help stakeholders understand the competitive landscape and gain more insights to better position their businesses and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the UHMW PE market and provides them with information on key market drivers, restraints, challenges, and opportunities.

Table of Contents:

1□INTRODUCTION□32

1.1□OBJECTIVES OF THE STUDY□32

1.2□MARKET DEFINITION□32

1.3□INCLUSIONS & EXCLUSIONS□33

TABLE 1□UHMW PE MARKET: INCLUSIONS & EXCLUSIONS□33

1.4□MARKET SCOPE□33

FIGURE 1□UHMW PE MARKET SEGMENTATION□33

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

FIGURE 2	REGIONS COVERED	34
FIGURE 3	YEARS CONSIDERED	34
1.5	CURRENCY	35
1.6	UNITS CONSIDERED	35
1.7	STAKEHOLDERS	35
1.8	LIMITATIONS	35
1.9	SUMMARY OF CHANGES	35
2	RESEARCH METHODOLOGY	36
2.1	RESEARCH DATA	36
FIGURE 4	RESEARCH DESIGN	36
2.1.1	SECONDARY DATA	37
2.1.1.1	Key data from secondary sources	37
2.1.2	PRIMARY DATA	38
2.1.2.1	Key data from primary sources	38
2.1.2.2	Key industry insights	39
2.1.2.3	Breakdown of primary interviews	39
2.2	MARKET SIZE ESTIMATION	40
2.2.1	TOP-DOWN APPROACH	40
FIGURE 5	MARKET SIZE ESTIMATION: TOP-DOWN APPROACH	40
2.2.2	BOTTOM-UP APPROACH	40
FIGURE 6	MARKET SIZE ESTIMATION: BOTTOM-UP APPROACH	40
FIGURE 7	MARKET SIZE ESTIMATION - APPROACH 1	41
FIGURE 8	MARKET SIZE ESTIMATION - APPROACH 2	41
2.3	FORECAST NUMBER CALCULATION	42
FIGURE 9	CUMULATIVE GROWTH FROM DRIVERS	42
2.4	DATA TRIANGULATION	43
FIGURE 10	UHMW PE MARKET: DATA TRIANGULATION	43
2.5	FACTOR ANALYSIS	44
2.6	LIMITATIONS & RISKS ASSOCIATED WITH UHMW PE MARKET	44
2.7	ASSUMPTIONS	45
3	EXECUTIVE SUMMARY	46
FIGURE 11	SHEETS TO BE LARGEST SEGMENT OF UHMW PE MARKET	46
FIGURE 12	MECHANICAL EQUIPMENT IS THE LARGEST SEGMENT OF UHMW PE MARKET IN 2022	47
FIGURE 13	NORTH AMERICA TO ACCOUNT FOR LARGEST SHARE OF UHMW PE MARKET	47
4	PREMIUM INSIGHTS	48
4.1	ATTRACTIVE OPPORTUNITIES IN UHMW PE MARKET	48
FIGURE 14	LUCRATIVE GROWTH OPPORTUNITIES FOR UHMW PE MARKET PLAYERS	48
4.2	UHMW PE MARKET, BY FORM	48
FIGURE 15	SHEETS TO BE FASTEST-GROWING SEGMENT DURING FORECAST PERIOD	48
4.3	UHMW PE MARKET, BY END-USE INDUSTRY	49
FIGURE 16	HEALTHCARE & MEDICAL SEGMENT TO GROW AT HIGHEST CAGR FROM 2022 TO 2027	49
4.4	UHMW PE MARKET, BY MAJOR COUNTRIES	49
FIGURE 17	CHINA TO RECORD HIGHEST CAGR DURING FORECAST PERIOD	49
4.5	NORTH AMERICA: UHMW PE MARKET, BY KEY END-USE INDUSTRIES AND COUNTRIES	50
FIGURE 18	AEROSPACE, DEFENSE & SHIPPING TO ACCOUNT FOR LARGEST SHARE	50

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

5	MARKET OVERVIEW	51
5.1	INTRODUCTION	51
5.2	MARKET DYNAMICS	51
	FIGURE 19 UHMW PE MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES	51
5.2.1	DRIVERS	52
5.2.1.1	Growing requirements from aerospace & defense industry	52
5.2.1.2	Increased use in orthopedic implants	52
5.2.2	RESTRAINTS	53
5.2.2.1	Fluctuations in availability and prices of raw materials	53
	FIGURE 20 CRUDE OIL PRICES, 2016-2019	53
5.2.3	OPPORTUNITIES	53
5.2.3.1	Increasing R&D and mass production of ballistic fibers	53
5.2.3.2	Rise in demand for electric vehicles (EVs)	53
5.2.4	CHALLENGES	54
5.2.4.1	Availability of substitutes	54
5.3	PORTER'S FIVE FORCES ANALYSIS	54
	FIGURE 21 UHMW PE MARKET: PORTER'S FIVE FORCES ANALYSIS	54
	TABLE 2 UHMW PE MARKET: PORTER'S FIVE FORCES	55
5.3.1	THREAT OF SUBSTITUTES	55
5.3.2	BARGAINING POWER OF BUYERS	55
5.3.3	THREAT OF NEW ENTRANTS	56
5.3.4	BARGAINING POWER OF SUPPLIERS	56
5.3.5	INTENSITY OF COMPETITIVE RIVALRY	57
5.4	PATENT ANALYSIS	57
5.4.1	INTRODUCTION	57
5.4.2	METHODOLOGY	57
5.4.3	DOCUMENT TYPE	57
	TABLE 3 TOTAL NUMBER OF PATENTS	58
	FIGURE 22 TOTAL NUMBER OF PATENTS	58
5.4.4	PUBLICATION TRENDS, LAST 10 YEARS (2011-2021)	58
	FIGURE 23 NUMBER OF PATENTS YEAR-WISE FROM 2011 TO 2021	58
5.4.5	INSIGHTS	59
5.4.6	LEGAL STATUS OF PATENTS	59
	FIGURE 24 PATENT ANALYSIS, BY LEGAL STATUS	59
5.4.7	JURISDICTION ANALYSIS	59
	FIGURE 25 TOP JURISDICTION - BY DOCUMENT	59
5.4.8	TOP COMPANIES/APPLICANTS	60
	FIGURE 26 TOP 10 COMPANIES/APPLICANTS WITH HIGH NUMBER OF PATENTS	60
5.4.8.1	Patents by DSM IP Assets B.V.	60
	TABLE 4 PATENTS BY DSM IP ASSETS B.V.	60
5.4.8.2	Patents by Honeywell International Inc.	61
	TABLE 5 PATENTS BY HONEYWELL INTERNATIONAL INC.	61
5.4.8.3	Patents by Borealis AG	62
	TABLE 6 PATENTS BY BOREALIS AG	62
5.4.9	TOP 10 PATENT OWNERS (US) IN LAST 10 YEARS	62
	TABLE 7 TOP TEN PATENT OWNERS	62

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

5.5	VALUE CHAIN ANALYSIS	63
	FIGURE 27	UHMW PE MARKET: VALUE CHAIN ANALYSIS
5.5.1	RAW MATERIAL SUPPLIERS	63
5.5.2	COMPOUNDERS	63
5.5.3	MANUFACTURERS	64
5.5.4	END-USE INDUSTRIES	64
5.6	RAW MATERIAL ANALYSIS	64
5.6.1	POLYETHYLENE	64
5.7	ECOSYSTEM MAPPING	65
	FIGURE 28	UHMW PE MARKET: ECOSYSTEM MAPPING
	TABLE 8	UHMW PE MARKET: ECOSYSTEM
5.8	TECHNOLOGY ANALYSIS	66
5.8.1	UHMW PE BRAIDING TECHNOLOGY (DSM PATENTED TECHNOLOGY)	66
5.8.2	DYNEEMA FORCE MULTIPLIER TECHNOLOGY (DSM PATENTED TECHNOLOGY)	66
5.9	AVERAGE SELLING PRICE ANALYSIS	66
5.9.1	AVERAGE SELLING PRICE BASED ON REGION	66
	FIGURE 29	AVERAGE SELLING PRICE BASED ON REGION (PRICE/KG)
5.9.2	AVERAGE SELLING PRICE BASED ON END-USE INDUSTRY	67
	TABLE 9	AVERAGE SELLING PRICES BASED ON END-USE INDUSTRY (PRICE/KG)
5.9.3	KEY PLAYERS: AVERAGE SELLING PRICES (USD/KG)	67
	TABLE 10	KEY PLAYERS: AVERAGE SELLING PRICES (USD/KG)
5.10	TARIFF POLICIES/GUIDELINES/REGULATIONS/STANDARDS	68
5.10.1	ASTM F648-21	68
5.10.2	ASTM F2759-19	68
5.10.3	ISO 21304-2:2021	68
5.10.4	NATIONAL BIO-ECONOMY BLUEPRINT	68
5.10.5	CANADA	68
5.10.6	REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	69
	TABLE 11	REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS
5.11	TRADE ANALYSIS	70
	TABLE 12	IMPORT TRADE DATA FOR TOP COUNTRIES, 2017-2021 (USD THOUSAND)
	TABLE 13	EXPORT TRADE DATA FOR TOP COUNTRIES, 2017-2021 (USD THOUSAND)
5.12	MACROECONOMIC INDICATORS	71
5.12.1	GLOBAL GDP TRENDS	71
	TABLE 14	PROJECTED REAL GDP GROWTH (ANNUAL PERCENT CHANGE) OF KEY COUNTRIES, 2018-2025
5.12.2	CURRENT HEALTH EXPENDITURE PER CAPITA	72
	TABLE 15	CURRENT HEALTH EXPENDITURE PER CAPITA (USD) OF KEY COUNTRIES, 2015-2019
5.12.3	MILITARY SPENDING	73
	TABLE 16	COUNTRIES WITH HIGH MILITARY EXPENDITURE IN 2022 (USD BILLION)
5.13	IMPACT OF COVID-19	73
5.13.1	INTRODUCTION	73
5.13.2	CONFIRMED CASES AND DEATHS, BY COUNTRY	74
	FIGURE 30	UNPRECEDENTED GLOBAL PROPAGATION OF COVID-19
5.13.3	AEROSPACE, DEFENSE, AND SHIPPING INDUSTRIES	74
5.13.4	HEALTHCARE & MEDICAL INDUSTRY	74

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

5.14	TRENDS/DISRUPTIONS IMPACTING CUSTOMERS' BUSINESSES	75
FIGURE 31	GROWING DEMAND FOR BIOBASED UHMW PE INFLUENCING MARKET	75
5.15	KEY CONFERENCES & EVENTS IN 2022-2023	75
TABLE 17	UHMW PE MARKET: DETAILED LIST OF CONFERENCES & EVENTS	75
5.16	CASE STUDY ANALYSIS	76
5.16.1	INCREASED ABRASION RESISTANCE OF EPDM RUBBER WITH MITSUI'S UHMW PE	76
5.17	KEY FACTORS AFFECTING BUYING DECISION	76
5.17.1	QUALITY	76
5.17.2	SERVICE	77
FIGURE 32	SUPPLIER SELECTION CRITERIA	77
?		
6	UHMW PE MARKET, BY FORM	78
6.1	INTRODUCTION	79
FIGURE 33	SHEETS TO BE LARGEST FORM SEGMENT OF UHMW PE MARKET IN 2022	79
TABLE 18	UHMW PE MARKET SIZE, BY FORM, 2018-2021 (USD MILLION)	79
TABLE 19	UHMW PE MARKET SIZE, BY FORM, 2018-2021 (KILOTON)	80
TABLE 20	UHMW PE MARKET SIZE, BY FORM, 2022-2027 (USD MILLION)	80
TABLE 21	UHMW PE MARKET SIZE, BY FORM, 2022-2027 (KILOTON)	80
6.2	SHEETS	81
6.2.1	DEMAND FOR UHMW PE SHEETS IN SHIPPING INDUSTRY TO DRIVE MARKET	81
6.3	RODS & TUBES	81
6.3.1	RISING APPLICATIONS IN MECHANICAL EQUIPMENT AND MEDICAL INDUSTRIES	81
6.4	FIBERS	81
6.4.1	HIGH DEMAND IN HEALTHCARE & MEDICAL INDUSTRY DUE TO BIOCOMPATIBILITY AND HIGH STRENGTH PROPERTIES	81
6.5	FILMS	82
6.5.1	HIGH TOUGHNESS AND WEAR RESISTANCE TO DRIVE MARKET	82
6.6	TAPES	82
6.6.1	HIGH DEMAND IN AEROSPACE & DEFENSE INDUSTRY TO AUGMENT SEGMENT GROWTH	82
6.7	OTHERS	82
7	UHMW PE MARKET, BY END-USE INDUSTRY	83
7.1	INTRODUCTION	84
FIGURE 34	HEALTHCARE & MEDICAL TO BE LARGEST END-USE INDUSTRY IN 2027	84
TABLE 22	UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION)	84
TABLE 23	UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON)	85
TABLE 24	UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION)	85
TABLE 25	UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON)	85
7.2	AEROSPACE, DEFENSE & SHIPPING	86
7.2.1	INCREASED DEMAND FOR BALLISTIC PROTECTION MATERIALS AND EQUIPMENT	86
7.3	HEALTHCARE & MEDICAL	86
7.3.1	ACCELERATED DEMAND FOR JOINT IMPLANTS TO FUEL MARKET GROWTH	86
7.4	MECHANICAL EQUIPMENT	87
7.4.1	RAPID INDUSTRIALIZATION TO DRIVE SEGMENT	87
7.4.1.1	Automobile equipment	87
7.5	CONSUMER GOODS	87

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

7.5.1 HIGH DEMAND FOR SPORTS & LEISURE PRODUCTS TO PROPEL
SEGMENT GROWTH 87

7.6 OTHERS 87

8 UHMW PE MARKET, BY APPLICATION 88

8.1 INTRODUCTION 88

8.2 PROSTHETICS 88

8.3 FILTRATION 88

8.4 BATTERIES 88

8.5 FABRICS 88

8.6 ADDITIVES 88

8.7 MEMBRANES 89

8.8 OTHERS 89

9 UHMW PE MARKET, BY REGION 90

9.1 INTRODUCTION 91

FIGURE 35 CHINA TO REGISTER HIGHEST CAGR IN UHMW PE MARKET DURING FORECAST PERIOD 91

TABLE 26 UHMW PE MARKET, BY REGION, 2018-2021 (USD MILLION) 91

TABLE 27 UHMW PE MARKET, BY REGION, 2018-2021 (KILOTON) 92

TABLE 28 UHMW PE MARKET, BY REGION, 2022-2027 (USD MILLION) 92

TABLE 29 UHMW PE MARKET, BY REGION, 2022-2027 (KILOTON) 92

9.2 NORTH AMERICA 93

FIGURE 36 NORTH AMERICA: UHMW PE MARKET SNAPSHOT 93

TABLE 30 NORTH AMERICA: UHMW PE MARKET SIZE, BY COUNTRY,
2018-2021 (USD MILLION) 93

TABLE 31 NORTH AMERICA: UHMW PE MARKET SIZE, BY COUNTRY,
2018-2021 (KILOTON) 94

TABLE 32 NORTH AMERICA: UHMW PE MARKET SIZE, BY COUNTRY,
2022-2027 (USD MILLION) 94

TABLE 33 NORTH AMERICA: UHMW PE MARKET SIZE, BY COUNTRY,
2022-2027 (KILOTON) 94

TABLE 34 NORTH AMERICA: UHMW PE MARKET SIZE, BY FORM,
2018-2021 (USD MILLION) 94

TABLE 35 NORTH AMERICA: UHMW PE MARKET SIZE, BY FORM, 2018-2021 (KILOTON) 95

TABLE 36 NORTH AMERICA: UHMW PE MARKET SIZE, BY FORM,
2022-2027 (USD MILLION) 95

TABLE 37 NORTH AMERICA: UHMW PE MARKET SIZE, BY FORM, 2022-2027 (KILOTON) 95

TABLE 38 NORTH AMERICA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY,
2018-2021 (USD MILLION) 96

TABLE 39 NORTH AMERICA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY,
2018-2021 (KILOTON) 96

TABLE 40 NORTH AMERICA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY,
2022-2027 (USD MILLION) 96

TABLE 41 NORTH AMERICA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY,
2022-2027 (KILOTON) 97

?

9.2.1 US 97

9.2.1.1 High military expenditure to drive market 97

TABLE 42 US: UHMW PE MARKET SIZE, BY END-USE INDUSTRY,

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

2018-2021 (USD MILLION) 97

TABLE 43 US: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON) 98

TABLE 44 US: UHMW PE MARKET SIZE, BY END-USE INDUSTRY,

2022-2027 (USD MILLION) 98

TABLE 45 US: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON) 98

9.2.2 CANADA 99

9.2.2.1 Increasing number of hip and knee replacement surgeries 99

TABLE 46 CANADA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY,

2018-2021 (USD MILLION) 99

TABLE 47 CANADA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY,

2018-2021 (KILOTON) 99

TABLE 48 CANADA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY,

2022-2027 (USD MILLION) 100

TABLE 49 CANADA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY,

2022-2027 (KILOTON) 100

9.2.3 MEXICO 100

9.2.3.1 Surging aircraft production to drive market 100

TABLE 50 MEXICO: UHMW PE MARKET SIZE, BY END-USE INDUSTRY,

2018-2021 (USD MILLION) 101

TABLE 51 MEXICO: UHMW PE MARKET SIZE, BY END-USE INDUSTRY,

2018-2021 (KILOTON) 101

TABLE 52 MEXICO: UHMW PE MARKET SIZE, BY END-USE INDUSTRY,

2022-2027 (USD MILLION) 101

TABLE 53 MEXICO: UHMW PE MARKET SIZE, BY END-USE INDUSTRY,

2022-2027 (KILOTON) 102

9.3 EUROPE 102

TABLE 54 EUROPE: UHMW PE MARKET SIZE, BY COUNTRY, 2018-2021 (USD MILLION) 102

TABLE 55 EUROPE: UHMW PE MARKET SIZE, BY COUNTRY, 2018-2021 (KILOTON) 103

TABLE 56 EUROPE: UHMW PE MARKET SIZE, BY COUNTRY, 2022-2027 (USD MILLION) 103

TABLE 57 EUROPE: UHMW PE MARKET SIZE, BY COUNTRY, 2022-2027 (KILOTON) 103

TABLE 58 EUROPE: UHMW PE MARKET SIZE, BY FORM, 2018-2021 (USD MILLION) 104

TABLE 59 EUROPE: UHMW PE MARKET SIZE, BY FORM, 2018-2021 (KILOTON) 104

TABLE 60 EUROPE: UHMW PE MARKET SIZE, BY FORM, 2022-2027 (USD MILLION) 104

TABLE 61 EUROPE: UHMW PE MARKET SIZE, BY FORM, 2022-2027 (KILOTON) 105

TABLE 62 EUROPE: UHMW PE MARKET SIZE, BY END-USE INDUSTRY,

2018-2021 (USD MILLION) 105

TABLE 63 EUROPE: UHMW PE MARKET SIZE, BY END-USE INDUSTRY,

2018-2021 (KILOTON) 105

TABLE 64 EUROPE: UHMW PE MARKET SIZE, BY END-USE INDUSTRY,

2022-2027 (USD MILLION) 106

TABLE 65 EUROPE: UHMW PE MARKET SIZE, BY END-USE INDUSTRY,

2022-2027 (KILOTON) 106

?

9.3.1 GERMANY 106

9.3.1.1 Growth in various end-use industries to drive market 106

TABLE 66 GERMANY: UHMW PE MARKET SIZE, BY END-USE INDUSTRY,

2018-2021 (USD MILLION) 107

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

TABLE 67 GERMANY: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON) 107

TABLE 68 GERMANY: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION) 107

TABLE 69 GERMANY: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON) 108

9.3.2 FRANCE 108

9.3.2.1 Extensive applications of UHMW PE in medical industry 108

TABLE 70 FRANCE: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION) 108

TABLE 71 FRANCE: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON) 109

TABLE 72 FRANCE: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION) 109

TABLE 73 FRANCE: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON) 109

9.3.3 NETHERLANDS 110

9.3.3.1 Presence of several aerospace & defense companies and government initiatives 110

TABLE 74 NETHERLANDS: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION) 110

TABLE 75 NETHERLANDS: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON) 110

TABLE 76 NETHERLANDS: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION) 111

TABLE 77 NETHERLANDS: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON) 111

9.3.4 UK 111

9.3.4.1 Increased applications of UHMW PE in aerospace and medical industries 111

TABLE 78 UK: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION) 112

TABLE 79 UK: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON) 112

TABLE 80 UK: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION) 112

TABLE 81 UK: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON) 113

9.3.5 ITALY 113

9.3.5.1 Rising demand across end-use industries to drive market 113

TABLE 82 ITALY: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION) 113

TABLE 83 ITALY: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON) 114

TABLE 84 ITALY: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION) 114

TABLE 85 ITALY: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON) 114

9.3.6 BELGIUM 115

9.3.6.1 Growing use of UHMW PE in medical implants and aircraft components 115

TABLE 86 BELGIUM: UHMW PE MARKET SIZE, BY END-USE INDUSTRY,

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

2018-2021 (USD MILLION) 115

TABLE 87 BELGIUM: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON) 115

TABLE 88 BELGIUM: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION) 116

TABLE 89 BELGIUM: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON) 116

9.3.7 SPAIN 116

9.3.7.1 Extensive use of UHMW PE in hip and knee replacement surgeries 116

TABLE 90 SPAIN: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION) 116

TABLE 91 SPAIN: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON) 117

TABLE 92 SPAIN: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION) 117

TABLE 93 SPAIN: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON) 117

9.3.8 REST OF EUROPE 118

TABLE 94 REST OF EUROPE: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION) 118

TABLE 95 REST OF EUROPE: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON) 118

TABLE 96 REST OF EUROPE: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION) 119

TABLE 97 REST OF EUROPE: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON) 119

9.4 ASIA PACIFIC 119

FIGURE 37 ASIA PACIFIC: UHMW PE MARKET SNAPSHOT 120

TABLE 98 ASIA PACIFIC: UHMW PE MARKET SIZE, BY COUNTRY, 2018-2021 (USD MILLION) 120

TABLE 99 ASIA PACIFIC: UHMW PE MARKET SIZE, BY COUNTRY, 2018-2021 (KILOTON) 120

TABLE 100 ASIA PACIFIC: UHMW PE MARKET SIZE, BY COUNTRY, 2022-2027 (USD MILLION) 121

TABLE 101 ASIA PACIFIC: UHMW PE MARKET SIZE, BY COUNTRY, 2022-2027 (KILOTON) 121

TABLE 102 ASIA PACIFIC: UHMW PE MARKET SIZE, BY FORM, 2018-2021 (USD MILLION) 121

TABLE 103 ASIA PACIFIC: UHMW PE MARKET SIZE, BY FORM, 2018-2021 (KILOTON) 122

TABLE 104 ASIA PACIFIC: UHMW PE MARKET SIZE, BY FORM, 2022-2027 (USD MILLION) 122

TABLE 105 ASIA PACIFIC: UHMW PE MARKET SIZE, BY FORM, 2022-2027 (KILOTON) 122

TABLE 106 ASIA PACIFIC: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION) 123

TABLE 107 ASIA PACIFIC: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON) 123

TABLE 108 ASIA PACIFIC: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION) 123

TABLE 109 ASIA PACIFIC: UHMW PE MARKET SIZE, BY END-USE INDUSTRY,

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

2022-2027 (KILOTON) 124

9.4.1 CHINA 124

9.4.1.1 Demand for aircraft and repair services from domestic market 124

TABLE 110 CHINA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION) 124

TABLE 111 CHINA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON) 125

TABLE 112 CHINA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION) 125

TABLE 113 CHINA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON) 125

9.4.2 JAPAN 126

9.4.2.1 Presence of major manufacturing companies to drive market 126

TABLE 114 JAPAN: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION) 126

TABLE 115 JAPAN: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON) 126

TABLE 116 JAPAN: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION) 127

TABLE 117 JAPAN: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON) 127

9.4.3 INDIA 127

9.4.3.1 Growth of aerospace industry propelling demand 127

TABLE 118 INDIA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION) 128

TABLE 119 INDIA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON) 128

TABLE 120 INDIA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION) 128

TABLE 121 INDIA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON) 129

9.4.4 SOUTH KOREA 129

9.4.4.1 Presence of major domestic players to drive market 129

TABLE 122 SOUTH KOREA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION) 129

TABLE 123 SOUTH KOREA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON) 130

TABLE 124 SOUTH KOREA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION) 130

TABLE 125 SOUTH KOREA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON) 130

?

9.4.5 REST OF ASIA PACIFIC 131

9.4.5.1 Government initiatives for green technology to drive market 131

TABLE 126 REST OF ASIA PACIFIC: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION) 131

TABLE 127 REST OF ASIA PACIFIC: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON) 131

TABLE 128 REST OF ASIA PACIFIC: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION) 132

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

TABLE 129 MIDDLE EAST & AFRICA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON) 132

9.5 MIDDLE EAST & AFRICA 132

TABLE 130 MIDDLE EAST & AFRICA: UHMW PE MARKET SIZE, BY COUNTRY, 2018-2021 (USD MILLION) 133

TABLE 131 MIDDLE EAST & AFRICA: UHMW PE MARKET SIZE, BY COUNTRY, 2018-2021 (KILOTON) 133

TABLE 132 MIDDLE EAST & AFRICA: UHMW PE MARKET SIZE, BY COUNTRY, 2022-2027 (USD MILLION) 133

TABLE 133 MIDDLE EAST & AFRICA: UHMW PE MARKET SIZE, BY COUNTRY, 2022-2027 (KILOTON) 134

TABLE 134 MIDDLE EAST & AFRICA: UHMW PE MARKET SIZE, BY FORM, 2018-2021 (USD MILLION) 134

TABLE 135 MIDDLE EAST & AFRICA: UHMW PE MARKET SIZE, BY FORM, 2018-2021 (KILOTON) 134

TABLE 136 MIDDLE EAST & AFRICA: UHMW PE MARKET SIZE, BY FORM, 2022-2027 (USD MILLION) 135

TABLE 137 MIDDLE EAST & AFRICA: UHMW PE MARKET SIZE, BY FORM, 2022-2027 (KILOTON) 135

TABLE 138 MIDDLE EAST & AFRICA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION) 135

TABLE 139 MIDDLE EAST & AFRICA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON) 136

TABLE 140 MIDDLE EAST & AFRICA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION) 136

TABLE 141 MIDDLE EAST & AFRICA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON) 136

9.5.1 SAUDI ARABIA 137

9.5.1.1 Opportunities in end-use industries to fuel market growth 137

TABLE 142 SAUDI ARABIA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION) 137

TABLE 143 SAUDI ARABIA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON) 137

TABLE 144 SAUDI ARABIA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION) 138

TABLE 145 SAUDI ARABIA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON) 138

9.5.2 UAE 138

9.5.2.1 Substantial growth of aerospace and medical industries to fuel market 138

TABLE 146 UAE: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION) 139

TABLE 147 UAE: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON) 139

TABLE 148 UAE: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION) 139

TABLE 149 UAE: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON) 140

9.5.3 SOUTH AFRICA 140

9.5.3.1 Increasing demand in medical sector to drive market 140

TABLE 150 SOUTH AFRICA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION) 140

TABLE 151 SOUTH AFRICA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY,

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

2018-2021 (KILOTON) 140

TABLE 152 SOUTH AFRICA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION) 141

TABLE 153 SOUTH AFRICA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON) 141

9.5.4 REST OF MIDDLE EAST & AFRICA 141

TABLE 154 REST OF MIDDLE EAST & AFRICA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION) 142

TABLE 155 REST OF MIDDLE EAST & AFRICA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON) 142

TABLE 156 REST OF MIDDLE EAST & AFRICA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION) 142

TABLE 157 REST OF MIDDLE EAST & AFRICA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON) 143

9.6 SOUTH AMERICA 143

TABLE 158 SOUTH AMERICA: UHMW PE MARKET SIZE, BY COUNTRY, 2018-2021 (USD MILLION) 143

TABLE 159 SOUTH AMERICA: UHMW PE MARKET SIZE, BY COUNTRY, 2018-2021 (KILOTON) 143

TABLE 160 SOUTH AMERICA: UHMW PE MARKET SIZE, BY COUNTRY, 2022-2027 (USD MILLION) 144

TABLE 161 SOUTH AMERICA: UHMW PE MARKET SIZE, BY COUNTRY, 2022-2027 (KILOTON) 144

TABLE 162 SOUTH AMERICA: UHMW PE MARKET SIZE, BY FORM, 2018-2021 (USD MILLION) 144

TABLE 163 SOUTH AMERICA: UHMW PE MARKET SIZE, BY FORM, 2018-2021 (KILOTON) 144

TABLE 164 SOUTH AMERICA: UHMW PE MARKET SIZE, BY FORM, 2022-2027 (USD MILLION) 145

TABLE 165 SOUTH AMERICA: UHMW PE MARKET SIZE, BY FORM, 2022-2027 (KILOTON) 145

TABLE 166 SOUTH AMERICA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION) 145

TABLE 167 SOUTH AMERICA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON) 146

TABLE 168 SOUTH AMERICA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION) 146

TABLE 169 SOUTH AMERICA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON) 146

9.6.1 BRAZIL 147

9.6.1.1 Growing aerospace industry fueling market growth 147

TABLE 170 BRAZIL: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION) 147

TABLE 171 BRAZIL: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON) 147

TABLE 172 BRAZIL: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION) 147

TABLE 173 BRAZIL: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON) 148

9.6.2 ARGENTINA 148

9.6.2.1 Increasing air travel supporting market 148

TABLE 174 ARGENTINA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION) 148

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

TABLE 175 ARGENTINA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON) 148

TABLE 176 ARGENTINA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION) 149

TABLE 177 ARGENTINA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON) 149

9.6.3 REST OF SOUTH AMERICA 149

TABLE 178 REST OF SOUTH AMERICA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION) 149

TABLE 179 REST OF SOUTH AMERICA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON) 150

TABLE 180 REST OF SOUTH AMERICA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION) 150

TABLE 181 REST OF SOUTH AMERICA: UHMW PE MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON) 150

10 COMPETITIVE LANDSCAPE 151

10.1 INTRODUCTION 151

10.1.1 UHMW PE MARKET, KEY DEVELOPMENTS 151

TABLE 182 COMPANIES ADOPTED INVESTMENTS & EXPANSIONS AS IMPORTANT DEVELOPMENT STRATEGY 151

10.2 MARKET RANKING ANALYSIS 152

10.2.1 RANKING OF KEY MARKET PLAYERS 152

FIGURE 38 RANKING OF TOP FIVE PLAYERS IN UHMW PE MARKET, 2022 152

10.3 MARKET SHARE ANALYSIS 153

10.3.1 MARKET SHARE OF KEY PLAYERS, 2021 153

FIGURE 39 UHMW PE MARKET SHARE, BY COMPANY, 2022 153

TABLE 183 UHMW PE MARKET: DEGREE OF COMPETITION 153

10.3.1.1 Celanese Corporation 154

10.3.1.2 Braskem 154

10.3.1.3 LyondellBasell Industries N.V. 154

10.3.1.4 Royal DSM N.V. 154

10.3.1.5 Asahi Kasei Corporation 154

10.4 REVENUE ANALYSIS OF TOP PLAYERS 154

TABLE 184 UHMW PE MARKET: REVENUE ANALYSIS (USD) 154

10.5 MARKET EVALUATION MATRIX 155

TABLE 185 MARKET EVALUATION MATRIX (2017-2021) 155

10.6 COMPANY EVALUATION MATRIX 156

10.6.1 STAR 156

10.6.2 EMERGING LEADERS 156

10.6.3 PERVASIVE 156

FIGURE 40 UHMW PE MARKET: COMPANY EVALUATION MATRIX, 2022 157

10.6.4 STRENGTH OF PRODUCT PORTFOLIO 158

FIGURE 41 PRODUCT PORTFOLIO ANALYSIS OF TOP PLAYERS IN UHMW PE MARKET 158

10.6.5 BUSINESS STRATEGY EXCELLENCE 158

FIGURE 42 BUSINESS STRATEGY EXCELLENCE OF TOP PLAYERS IN UHMW PE MARKET 158

10.7 COMPETITIVE EVALUATION QUADRANT {SMALL AND MEDIUM-SIZED ENTERPRISES (SMES)} 159

10.7.1 PROGRESSIVE COMPANIES 159

10.7.2 RESPONSIVE COMPANIES 159

10.7.3 DYNAMIC COMPANIES 159

FIGURE 43 UHMW PE MARKET (SMES): COMPANY EVALUATION MATRIX FOR SMES 2022 160

10.7.4 STRENGTH OF PRODUCT PORTFOLIO 161

FIGURE 44 PRODUCT PORTFOLIO ANALYSIS OF TOP PLAYERS IN UHMW

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

PE MARKET (SMES)	161
10.7.5 BUSINESS STRATEGY EXCELLENCE	162
FIGURE 45 BUSINESS STRATEGY EXCELLENCE OF TOP PLAYERS IN UHMW PE MARKET (SMES)	162
10.8 COMPETITIVE BENCHMARKING	162
TABLE 186 UHMW PE MARKET: DETAILED LIST OF KEY START-UPS/SMES	162
TABLE 187 UHMW PE MARKET: COMPETITIVE BENCHMARKING OF KEY PLAYERS [START-UPS/SMES]	163
10.9 COMPANY FOOTPRINT	165
10.10 COMPANY FORM FOOTPRINT	166
10.11 COMPANY END-USE INDUSTRY FOOTPRINT	167
10.12 COMPANY REGIONAL FOOTPRINT	168
10.13 COMPETITIVE SCENARIO	170
10.13.1 NEW PRODUCT LAUNCHES	170
TABLE 188 NEW PRODUCT LAUNCHES, 2017-2021	170
10.13.2 DEALS	170
TABLE 189 DEALS, 2017-2021	170
10.13.3 OTHER DEVELOPMENTS	171
TABLE 190 OTHER DEVELOPMENTS, 2017-2021	171
11 COMPANY PROFILES	173
11.1 KEY PLAYERS	173
(Business overview, Products offered, Grades and average molecular weight, Recent Developments, MNM view)*	
11.1.1 BRASKEM	173
TABLE 191 BRASKEM: COMPANY OVERVIEW	173
FIGURE 46 BRASKEM: COMPANY SNAPSHOT	173
TABLE 192 BRASKEM: DEALS	175
TABLE 193 BRASKEM: OTHER DEVELOPMENTS	175
11.1.2 CELANESE CORPORATION	177
TABLE 194 CELANESE CORPORATION: COMPANY OVERVIEW	177
FIGURE 47 CELANESE CORPORATION: COMPANY SNAPSHOT	178
TABLE 195 CELANESE CORPORATION: OTHER DEVELOPMENTS	180
11.1.3 LYONDELLBASELL INDUSTRIES N.V.	181
TABLE 196 LYONDELLBASELL INDUSTRIES N.V.: COMPANY OVERVIEW	181
FIGURE 48 LYONDELLBASELL INDUSTRIES N.V.: COMPANY SNAPSHOT	181
11.1.4 ROYAL DSM N.V.	183
TABLE 197 ROYAL DSM N.V.: COMPANY OVERVIEW	183
FIGURE 49 ROYAL DSM N.V.: COMPANY SNAPSHOT	184
TABLE 198 ROYAL DSM N.V.: PRODUCT LAUNCHES	185
11.1.5 ASAHI KASEI CORPORATION	186
TABLE 199 ASAHI KASEI CORPORATION: COMPANY OVERVIEW	186
FIGURE 50 ASAHI KASEI CORPORATION: COMPANY SNAPSHOT	187
11.1.6 MITSUI CHEMICALS	190
TABLE 200 MITSUI CHEMICALS: COMPANY OVERVIEW	190
FIGURE 51 MITSUI CHEMICALS: COMPANY SNAPSHOT	191
TABLE 201 MITSUI CHEMICALS: OTHER DEVELOPMENTS	192
11.1.7 KOREA PETROCHEMICAL IND CO., LTD.	193

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

TABLE 202 KOREA PETROCHEMICAL IND CO., LTD.: COMPANY OVERVIEW 193

11.1.8 TEIJIN LIMITED 195

TABLE 203 TEIJIN LIMITED: COMPANY OVERVIEW 195

FIGURE 52 TEIJIN LIMITED: COMPANY SNAPSHOT 195

11.1.9 HONEYWELL INTERNATIONAL INC. 197

TABLE 204 HONEYWELL INTERNATIONAL INC.: COMPANY OVERVIEW 197

FIGURE 53 HONEYWELL INTERNATIONAL INC.: COMPANY SNAPSHOT 198

TABLE 205 HONEYWELL INTERNATIONAL INC.: DEALS 199

TABLE 206 HONEYWELL INTERNATIONAL INC.: OTHER DEVELOPMENTS 199

11.1.10 DUPONT DE NEMOURS, INC. 200

TABLE 207 DUPONT DE NEMOURS, INC.: COMPANY OVERVIEW 200

FIGURE 54 DUPONT DE NEMOURS, INC.: COMPANY SNAPSHOT 201

?

11.1.11 TOYOBO CO. LTD. 202

TABLE 208 TOYOBO CO. LTD.: COMPANY OVERVIEW 202

FIGURE 55 TOYOBO CO. LTD.: COMPANY SNAPSHOT 203

*Details on Business overview, Products offered, Grades and average molecular weight, Recent Developments, MNM view might not be captured in case of unlisted companies.

11.2 OTHER PLAYERS 205

11.2.1 ROCHLING GROUP 205

TABLE 209 ROCHLING GROUP: COMPANY OVERVIEW 205

11.2.2 NITTO DENKO CORPORATION 205

TABLE 210 NITTO DENKO CORPORATION: COMPANY OVERVIEW 205

11.2.3 CROWN PLASTICS, INC. 206

TABLE 211 CROWN PLASTICS, INC.: COMPANY OVERVIEW 206

11.2.4 GARLAND MANUFACTURING COMPANY 206

TABLE 212 GARLAND MANUFACTURING COMPANY: COMPANY OVERVIEW 206

11.2.5 ORTHOPLASTICS 207

TABLE 213 ORTHOPLASTICS: COMPANY OVERVIEW 207

11.2.6 CP MEDICAL, INC. 207

TABLE 214 CP MEDICAL, INC.: COMPANY OVERVIEW 207

11.2.7 GLOBAL POLYMERS 208

TABLE 215 GLOBAL POLYMERS: COMPANY OVERVIEW 208

11.2.8 EMCO INDUSTRIAL PLASTICS, INC. 208

TABLE 216 EMCO INDUSTRIAL PLASTICS, INC.: COMPANY OVERVIEW 208

11.2.9 SHANGHAI LIANLE CHEMICAL INDUSTRY SCIENCE AND TECHNOLOGY CO. LTD 209

TABLE 217 SHANGHAI LIANLE CHEMICAL INDUSTRY SCIENCE AND TECHNOLOGY CO. LTD.: COMPANY OVERVIEW 209

11.2.10 REDWOOD PLASTICS AND RUBBER 209

TABLE 218 REDWOOD PLASTICS AND RUBBER: COMPANY OVERVIEW 209

11.2.11 SHANDONG NINGJIN XINXING CHEMICAL CO., LTD. 210

TABLE 219 SHANDONG NINGJIN XINXING CHEMICAL CO., LTD.: COMPANY OVERVIEW 210

11.2.12 JIUJIANG ZHONGKE XINXING NEW MATERIAL CO., LTD. 210

TABLE 220 JIUJIANG ZHONGKE XINXING NEW MATERIAL CO., LTD.: COMPANY OVERVIEW 210

11.2.13 TSE INDUSTRIES 211

TABLE 221 TSE INDUSTRIES: COMPANY OVERVIEW 211

11.2.14 MITSUBOSHI BELTING LTD. 211

TABLE 222 MITSUBOSHI BELTING LTD.: COMPANY OVERVIEW 211

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

11.2.15 RELIANCE INDUSTRIES LIMITED 212

TABLE 223 RELIANCE INDUSTRIES LIMITED: COMPANY OVERVIEW 212

?

12 APPENDIX 213

12.1 DISCUSSION GUIDE 213

12.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL 215

12.3 AVAILABLE CUSTOMIZATIONS 217

12.4 RELATED REPORTS 217

12.5 AUTHOR DETAILS 218

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

Ultra-High Molecular Weight Polyethylene Market by Form (Sheets, Rods & Tubes, Fibers, Films, Tapes), End-Use Industry (Aerospace, Defense & Shipping, Healthcare & Medical, Mechanical Equipment, Consumer Goods), Region - Global Forecast to 2027

Market Report | 2022-07-08 | 210 pages | MarketsandMarkets

To place an Order with Scotts International:

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

ORDER FORM:

Select license	License	Price
	Single User	\$4950.00
	Multi User	\$6650.00
	Corporate License	\$8150.00
	Enterprise Site License	\$10000.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-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"/>

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

Zip Code*

Country*

Date

2026-03-05

Signature

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com