

**EVA Films Market by Type (Standard EVA Film, Anti-PID EVA Films), Production Method (Extrusion, Casting), Application (Solar Panel Encapsulation, Lamination, Heat Seal), End-Use Industry (Renewable Energy, Packaging, Automotive) - Global Forecast to 2029**

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**Report description:**

The EVA Films market size is projected to grow from USD 7.43 billion in 2024 to USD 11.26 billion by 2029, registering a CAGR of 8.7% during the forecast period.

The market for EVA films is increasing due to their versatility, durability, and wide-ranging applications. The most prominent driver is the solar energy industry's high growth rate, wherein EVA films are required for encapsulating photovoltaic (PV) modules to maintain long-term efficiency and protection. Moreover, increasing demand for high-performance packaging materials, laminated glass, and protective films in the construction and automotive sectors is driving the market forward. Advances in polymer science have increased the thermal stability, adhesion, and UV resistance of EVA films, making them suitable for a number of applications. In addition, the growing middle-class population, urbanization, and industrialization in developing countries have resulted in higher consumption of EVA films in consumer products, further enhancing market demand.

" Standard EVA Films accounted for the fastest growing in type segment of EVA Films market in terms of value."

The standard EVA films segment is growing at the highest rate in the EVA films market because of its cost-effectiveness, balanced performance properties, and broad applicability across different industries. One of the major reasons for its high growth is its best balance of flexibility, durability, and adhesion properties, which makes it a first choice for different applications. Standard EVA films have good thermal stability, chemical resistance, and mechanical strength, which makes them a good choice for use in various environments without needing to be replaced often. The films also have high transparency and better encapsulation properties, which are making them more popular. Their cost-effectiveness, coupled with ease of processing and compatibility with

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most manufacturing processes, has made them a first preference for firms seeking effective yet cost-efficient options.

"Extrusion accounted for the fastest growing in production method segment of EVA Films market in terms of value."

The extrusion manufacturing process is the fastest-growing segment in the EVA films market because it is efficient, scalable, and can make high-quality films with uniform properties. Extrusion provides a streamlined, continuous process of manufacturing that allows for the production of EVA films with uniform thickness, high clarity, and improved mechanical properties. The technique provides a very accurate level of control over the dimensions, finish, and general performance of the film, making it a preferred choice among manufacturers. Among the main reasons for the accelerated growth of the extrusion process is its cost-effectiveness. In comparison to other manufacturing processes, extrusion reduces material wastage, minimizes labor expenses, and maximizes energy efficiency. As the need for high-performance EVA films continues to rise, producers are spending on innovative extrusion technology, including multi-layer co-extrusion, to enable the production of films with tailored properties.

"Solar panel encapsulation accounted for the for the fastest growing in application segment of EVA Films market in terms of value."

Solar panel encapsulation application is the fastest growing segment in the EVA films market because of growing worldwide attention to renewable power, solar technological developments, and the better protection features of EVA films. Solar panel encapsulation is an important application of EVA films due to its superior protective functions such as durability, UV stability, and great adhesion to photovoltaic (PV) module materials, providing long-lasting performance and dependability of photovoltaic modules. One of the major growth drivers in this segment is the cost efficiency and processing advantage of EVA films in solar panel production. EVA encapsulants provide a trade-off between cost and high performance, which makes them the most popular option among solar module manufacturers. The simplicity of lamination and compatibility with automated production lines enable manufacturers to simplify the encapsulation process, minimize production costs, and enhance throughput. In addition, ongoing developments in EVA formulations, including increased thermal stability and greater resistance to potential-induced degradation (PID), have further enhanced their use in solar applications. Such developments add to the long-term durability of solar panels, lessening maintenance and enhancing their economic feasibility..

"Renewable Energy accounted for the for the fastest growing in end-use industry segment of EVA Films market in terms of value."

The renewable energy end-use industry is the fastest growing segment in the EVA films market because of the worldwide transition towards clean energy solutions, rising investments in clean energy infrastructure, and the better properties of EVA films in renewable applications. Governments and institutions across the world are enforcing policies, subsidies, and incentives to promote the use of renewable energy sources, especially solar and wind power, where EVA films are of vital importance. The growing need for EVA films is, to a great extent, fueled by their widespread application in solar panel encapsulation, where they enable high optical transparency, UV resistance, and durability, guaranteeing the long-term performance and efficiency of photovoltaic (PV) modules. Among the key drivers propelling the rise of EVA films in the renewable energy space is that they can boost solar panel performance and longevity. As protective encapsulants, the EVA films keep out moisture, mechanical injury, and breakdown due to continuous exposure to stressful environmental conditions. This consistency has seen them be the first pick among solar module manufacturers, expanding the market even further.

"Asia Pacific is the fastest growing market for EVA Films ."

The Asia Pacific is the fastest-growing market for EVA films because of fast-paced industrialization, growing infrastructure development, and expanding investments in renewable energy and advanced manufacturing. The region is dominated by nations such as China, India, Japan, and South Korea which have become leading centers for solar energy generation, electronics manufacturing, and construction. The extensive use of EVA films in numerous applications, especially for solar panel encapsulation, packaging, and industrial laminates, is driving growth in the market. China, being the world leader in solar panel manufacturing, has played a major role in the rising demand for EVA films by expanding the manufacturing of photovoltaic (PV) modules for domestic and global renewable energy needs. The presence of low-cost raw materials, high-tech production capabilities, and robust supply chain infrastructure has also further consolidated the market position of Asia Pacific.

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In-depth interviews were conducted with Chief Executive Officers (CEOs), marketing directors, other innovation and technology directors, and executives from various key organizations operating in the EVA Films market, and information was gathered from secondary research to determine and verify the market size of several segments.

-□By Company Type: Tier 1 - 50%, Tier 2 - 30%, and Tier 3 - 20%

-□By Designation: Managers- 15%, Directors - 20%, and Others - 65%

-□By Region: North America - 30%, Europe - 25%, APAC - 35%, the Middle East & Africa -5%, and South America- 5%

The EVA Films market comprises major players H.B. Fuller (US), 3M (US), JA Solar Technology Co., Ltd. (China), Jiangsu Sveck Photovoltaic New Material Co., Ltd. (China), HANGZHOU FIRST APPLIED MATERIAL CO., LTD. (China), Shanghai HIUV New Materials Co., Ltd. (China), Guangzhou Lushan New Materials Co., Ltd. (China), Hanwha Group (South Korea), Cybrid Technologies Inc. (China), Betterial (China), Mativ (US) and Zhejiang Sinopont Technology Co., Ltd. (China). The study includes in-depth competitive analysis of these key players in the EVA Films market, with their company profiles, recent developments, and key market strategies.

#### Research Coverage

This report segments the market for EVA Films market on the basis of type, form, end-use industry, and region, and 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, and expansions associated with the market for EVA Films 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 EVA Films market; high-growth regions; and market drivers, restraints, opportunities, and challenges.

The report provides insights on the following pointers:

- Analysis of drivers: (Improved bond strength in lamination, better impact resistance, and a wider service temperature range), restraints (Competition from other materials such as polyolefin), opportunities (Emerging application in agriculture, particularly in greenhouse coverings and agricultural mulch films), and challenges (Limited recyclability of EVA films poses environmental challenges) influencing the growth of EVA Films market.
- Market Penetration: Comprehensive information on the EVA Films market offered by top players in the global EVA Films market.
- Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, in the EVA Films market.
- Market Development: Comprehensive information about lucrative emerging markets the report analyzes the markets for EVA Films market across regions.
- Market Capacity: Production capacities of companies producing EVA Films are provided wherever available with upcoming capacities for the EVA Films market.
- Competitive Assessment: In-depth assessment of market shares, strategies, products, and manufacturing capabilities of leading

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players in the EVA Films market.

## **Table of Contents:**

1	INTRODUCTION	26
1.1	STUDY OBJECTIVES	26
1.2	MARKET DEFINITION	26
1.3	STUDY SCOPE	27
1.3.1	MARKETS COVERED AND REGIONAL SNAPSHOT	27
1.3.2	INCLUSIONS & EXCLUSIONS OF STUDY	27
1.3.3	YEARS CONSIDERED	28
1.3.4	CURRENCY CONSIDERED	29
1.3.5	UNITS CONSIDERED	29
1.4	LIMITATIONS	29
1.5	STAKEHOLDERS	29
2	RESEARCH METHODOLOGY	30
2.1	RESEARCH DATA	30
2.1.1	SECONDARY DATA	31
2.1.1.1	Key data from secondary sources	31
2.1.2	PRIMARY DATA	31
2.1.2.1	Key data from primary sources	32
2.1.2.2	Key primary sources	32
2.1.2.3	Key participants for primary interviews	32
2.1.2.4	Breakdown of primary interviews	33
2.1.2.5	Key industry insights	33
2.2	BASE NUMBER CALCULATION	34
2.2.1	SUPPLY-SIDE ANALYSIS	34
2.2.2	DEMAND-SIDE ANALYSIS	34
2.3	GROWTH FORECAST	34
2.3.1	SUPPLY SIDE	34
2.3.2	DEMAND SIDE	35
2.4	MARKET SIZE ESTIMATION	35
2.4.1	BOTTOM-UP APPROACH	36
2.4.2	TOP-DOWN APPROACH	36
2.5	DATA TRIANGULATION	37
2.6	RESEARCH ASSUMPTIONS	38
2.7	GROWTH FORECAST	38
2.8	RISK ASSESSMENT	39
2.9	FACTOR ANALYSIS	39
3	EXECUTIVE SUMMARY	40
4	PREMIUM INSIGHTS	44
4.1	ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN EVA FILMS MARKET	44
4.2	EVA FILMS MARKET, BY TYPE	44
4.3	EVA FILMS MARKET, BY PRODUCTION METHOD	45
4.4	EVA FILMS MARKET, BY APPLICATION	45
4.5	EVA FILMS MARKET, BY END-USE INDUSTRY	46
4.6	EVA FILMS MARKET, BY COUNTRY	46
5	MARKET OVERVIEW	47

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5.1	INTRODUCTION	47
5.2	MARKET DYNAMICS	47
5.2.1	DRIVERS	48
5.2.1.1	Increased use in various applications driven by superior durability, flexibility, and resilience	48
5.2.1.2	Growth of solar energy industry	48
5.2.2	RESTRAINTS	49
5.2.2.1	Competition from other materials with similar properties	49
5.2.3	OPPORTUNITIES	49
5.2.3.1	Development of eco-friendly and biodegradable EVA film solutions	49
5.2.3.2	Emerging applications in agriculture, particularly in greenhouse coverings and agricultural mulch films	50
5.2.4	CHALLENGES	50
5.2.4.1	Discoloration of EVA films after extended exposure to sunlight	50
5.2.4.2	Limited recyclability of EVA films poses environmental challenges	51
5.3	GENERATIVE AI	51
5.3.1	INTRODUCTION	51
5.4	IMPACT OF GENERATIVE AI ON EVA FILMS MARKET	53
6	INDUSTRY TRENDS	54
6.1	INTRODUCTION	54
6.2	TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS	54
6.3	SUPPLY CHAIN ANALYSIS	55
6.4	INVESTMENT AND FUNDING SCENARIO	57
6.5	PRICING ANALYSIS	58
6.5.1	AVERAGE SELLING PRICE TREND, BY REGION	58
6.5.2	AVERAGE SELLING PRICE TREND, BY TYPE	59
6.5.3	AVERAGE SELLING PRICE TREND OF KEY PLAYERS, BY TYPE	59
6.6	ECOSYSTEM ANALYSIS	60
6.7	TECHNOLOGY ANALYSIS	61
6.7.1	KEY TECHNOLOGIES	62
6.7.2	COMPLEMENTARY TECHNOLOGIES	62
6.7.3	ADJACENT TECHNOLOGIES	63
6.8	PATENT ANALYSIS	63
6.8.1	METHODOLOGY	63
6.8.2	GRANTED PATENTS	63
6.8.2.1	Patent publication trends	64
6.8.3	INSIGHTS	64
6.8.4	LEGAL STATUS	64
6.8.5	JURISDICTION ANALYSIS	65
6.8.6	TOP APPLICANTS	65
6.9	TRADE ANALYSIS	68
6.9.1	IMPORT SCENARIO (HS CODES 390130)	68
6.9.2	EXPORT SCENARIO (HS CODES 390130)	69
6.10	KEY CONFERENCES AND EVENTS	70
6.11	TARIFF AND REGULATORY LANDSCAPE	71
6.11.1	TARIFF ANALYSIS	71
6.11.2	REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	72
6.11.3	STANDARDS AND REGULATIONS	75
6.12	PORTER'S FIVE FORCES ANALYSIS	75

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- 6.12.1 THREAT OF NEW ENTRANTS 77
- 6.12.2 THREAT OF SUBSTITUTES 77
- 6.12.3 BARGAINING POWER OF SUPPLIERS 77
- 6.12.4 BARGAINING POWER OF BUYERS 78
- 6.12.5 INTENSITY OF COMPETITIVE RIVALRY 78
- 6.13 KEY STAKEHOLDERS AND BUYING CRITERIA 79
- 6.13.1 KEY STAKEHOLDERS IN BUYING PROCESS 79
- 6.13.2 BUYING CRITERIA 80
- 6.14 MACROECONOMIC OUTLOOK 80
- 6.14.1 GDP TRENDS AND FORECASTS, BY COUNTRY 81
- 6.15 CASE STUDY ANALYSIS 81
- 6.15.1 CHARACTERIZATION OF EVA FILMS FOR PHOTOVOLTAIC MODULES 81
- 6.15.2 USING DEEP EUTECTIC SOLVENTS TO SEPARATE EVA FILMS FROM END-OF-LIFE PV MODULES 82
- 7 EVA FILMS MARKET, BY TYPE 84
- 7.1 INTRODUCTION 85
- 7.2 STANDARD EVA FILMS 86
- 7.2.1 VERSATILE APPLICATIONS IN SOLAR, PACKAGING, AND AUTOMOTIVE INDUSTRIES TO DRIVE ADOPTION 86
- 7.3 RAPID CURING EVA FILMS 87
- 7.3.1 SHORTER PRODUCTION CYCLES AND REDUCED OVERALL PROCESSING TIME TO DRIVE MARKET 87
- ?
- 7.4 ANTI-PID EVA FILMS 88
- 7.4.1 IMPROVING EFFICIENCY AND LONGEVITY OF SOLAR MODULES BY REDUCING DEGRADATION TO DRIVE ADOPTION 88
- 7.5 ULTRA-TRANSPARENT EVA FILMS 88
- 7.5.1 ENHANCED LIGHT TRANSMISSION AND AESTHETIC QUALITY TO SUPPORT MARKET GROWTH 88
- 7.6 OTHER TYPES 89
- 7.6.1 LOW-TEMPERATURE EVA FILMS 89
- 7.6.2 COLOR EVA FILMS 89
- 7.6.3 ANTI-UV EVA FILMS 89
- 8 EVA FILMS MARKET, BY PRODUCTION METHOD 90
- 8.1 INTRODUCTION 91
- 8.2 EXTRUSION 92
- 8.2.1 EFFICIENCY, COST-EFFECTIVENESS, AND ABILITY TO PRODUCE FILMS WITH CONSISTENT PROPERTIES TO DRIVE MARKET GROWTH 92
- 8.3 BLOW MOLDING 93
- 8.3.1 ABILITY TO PRODUCE THIN FILMS WITH EXCELLENT MECHANICAL STRENGTH TO PROPEL ADOPTION 93
- 8.4 CASTING 94
- 8.4.1 ENABLES PRODUCTION OF MULTILAYER EVA FILMS WITH SPECIFIC FUNCTIONALITIES-KEY FACTOR DRIVING MARKET GROWTH 94
- 9 EVA FILMS MARKET, BY APPLICATION 95
- 9.1 INTRODUCTION 96
- 9.2 SOLAR PANEL ENCAPSULATION 98
- 9.2.1 EXCELLENT ADHESIVE PROPERTIES AND ABILITY TO WITHSTAND EXTREME TEMPERATURES TO DRIVE ADOPTION 98
- 9.3 LAMINATION 98
- 9.3.1 DURABILITY AND TRANSPARENCY OF GLASS WHILE OFFERING SUPERIOR PROTECTION-KEY FACTOR DRIVING MARKET GROWTH 98
- 9.4 HEAT SEAL 99
- 9.4.1 DEMAND FOR CUSTOM SEALING SOLUTIONS TO ENSURE PRODUCT SAFETY AND FRESHNESS TO PROPEL MARKET 99

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9.5	PRINTING	99
9.5.1	NEED TO ENHANCE PRODUCT PACKAGING WITH VIBRANT GRAPHICS AND CLEAR VISIBILITY TO DRIVE MARKET	99
9.6	THERMO WELDING	100
9.6.1	ROBUST AND RELIABLE BONDING IN AUTOMOTIVE AND CONSTRUCTION SECTORS TO DRIVE ADOPTION	100
9.7	OTHER APPLICATIONS	100
9.7.1	COATINGS	100
9.7.2	ULTRASONIC WELDING	101
	?	
10	EVA FILMS MARKET, BY END-USE INDUSTRY	102
10.1	INTRODUCTION	103
10.2	RENEWABLE ENERGY	104
10.2.1	EXPANSION OF SOLAR ENERGY INSTALLATIONS WORLDWIDE TO DRIVE MARKET	104
10.3	CONSTRUCTION	105
10.3.1	INCREASING DEMAND FOR DURABLE, WEATHER-RESISTANT MATERIALS IN BUILDING AND INFRASTRUCTURE PROJECTS TO PROPEL MARKET	105
10.4	AUTOMOTIVE	106
10.4.1	INCREASING FOCUS ON ADVANCED AUTOMOTIVE GLASS FEATURES TO ENHANCE CONSUMER COMFORT AND VEHICLE PERFORMANCE TO DRIVE MARKET	106
10.5	PACKAGING	106
10.5.1	NEED TO MAINTAIN FRESHNESS AND SHELF LIFE OF PRODUCTS TO DRIVE ADOPTION	106
10.6	OTHER END-USE INDUSTRIES	107
10.6.1	AGRICULTURE	107
10.6.2	CONSUMER GOODS	107
11	EVA FILMS MARKET, BY REGION	108
11.1	INTRODUCTION	109
11.2	ASIA PACIFIC	110
11.2.1	CHINA	117
11.2.1.1	Presence of leading EVA film manufacturers to support market growth	117
11.2.2	JAPAN	119
11.2.2.1	Growth in consumer electronics market to drive market	119
11.2.3	INDIA	121
11.2.3.1	Rapid urbanization and construction boom to drive demand for laminated glass and architectural applications	121
11.2.4	SOUTH KOREA	122
11.2.4.1	Significant investments in R&D for high-quality materials to support market growth	122
11.2.5	REST OF ASIA PACIFIC	124
11.3	NORTH AMERICA	126
11.3.1	US	133
11.3.1.1	Growing focus on sustainable and transparent packaging solutions to drive market	133
11.3.2	CANADA	134
11.3.2.1	Increasing focus on sustainable and energy-efficient building materials to drive demand	134
11.3.3	MEXICO	136
11.3.3.1	Growth in automotive sector to drive market	136
	?	
11.4	EUROPE	137
11.4.1	GERMANY	144
11.4.1.1	Strong automotive sector to boost demand	144
11.4.2	ITALY	146

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11.4.2.1	Enhanced production capacity and strong international partnerships to support market growth	146
11.4.3	FRANCE	148
11.4.3.1	Presence of large industrial manufacturing and chemical sectors to boost market	148
11.4.4	UK	149
11.4.4.1	Growing focus on renewable energy and solar installations to propel market	149
11.4.5	SPAIN	151
11.4.5.1	Rapid growth in tourism sector to support market growth	151
11.4.6	RUSSIA	152
11.4.6.1	Infrastructural developments to fuel market growth	152
11.4.7	REST OF EUROPE	154
11.5	MIDDLE EAST & AFRICA	155
11.5.1	GCC COUNTRIES	162
11.5.1.1	Saudi Arabia	162
11.5.1.1.1	Vision 2030 initiative to support market growth	162
11.5.1.2	UAE	164
11.5.1.2.1	Increased emphasis on high-quality interior aesthetics to support market growth	164
11.5.1.3	Rest of GCC countries	165
11.5.2	SOUTH AFRICA	167
11.5.2.1	Growth in automotive industry to propel market	167
11.5.3	REST OF MIDDLE EAST & AFRICA	168
11.6	SOUTH AMERICA	170
11.6.1	ARGENTINA	176
11.6.1.1	Increased use in agriculture to drive market growth	176
11.6.2	BRAZIL	178
11.6.2.1	Expansion of solar power installations to drive market	178
11.6.3	REST OF SOUTH AMERICA	179
12	COMPETITIVE LANDSCAPE	182
12.1	INTRODUCTION	182
12.2	KEY PLAYER STRATEGIES/RIGHT TO WIN	182
12.3	MARKET SHARE ANALYSIS	184
12.3.1	H.B. FULLER COMPANY	185
12.3.2	3M	185
12.3.3	HANWHA GROUP-	186
12.3.4	HANGZHOU FIRST APPLIED MATERIAL CO., LTD.	186
12.3.5	SHANGHAI HIUV NEW MATERIALS CO., LTD.	186
12.4	REVENUE ANALYSIS	187
12.5	COMPANY EVALUATION MATRIX: KEY PLAYERS, 2023	187
12.5.1	STARS	187
12.5.2	EMERGING LEADERS	188
12.5.3	PERVASIVE PLAYERS	188
12.5.4	PARTICIPANTS	188
12.5.5	COMPANY FOOTPRINT: KEY PLAYERS, 2023	189
12.5.5.1	Company footprint	189
12.5.5.2	Type footprint	190
12.5.5.3	Production method footprint	190
12.5.5.4	End-use industry footprint	191
12.5.5.5	Region footprint	192

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12.6	COMPANY EVALUATION MATRIX: STARTUPS/SMES, 2023	192
12.6.1	PROGRESSIVE COMPANIES	192
12.6.2	RESPONSIVE COMPANIES	192
12.6.3	DYNAMIC COMPANIES	193
12.6.4	STARTING BLOCKS	193
12.6.5	COMPETITIVE BENCHMARKING: KEY STARTUPS/SMES, 2023	194
12.6.5.1	Detailed list of key startups/SMEs	194
12.6.5.2	Competitive benchmarking of key startups/SMEs	195
12.7	BRAND/PRODUCT COMPARATIVE ANALYSIS	197
12.7.1	PHOTOCAP 15580P	197
12.7.2	3M SOLAR ENCAPSULANT FILM EVA9100	197
12.7.3	HEP SERIES	198
12.7.4	F?RST	198
12.7.5	HIUV S201MT	198
12.8	COMPANY VALUATION AND FINANCIAL METRICS	198
12.9	COMPETITIVE SCENARIO	199
12.9.1	DEALS	199
12.9.2	EXPANSIONS	201
12.9.3	OTHER DEVELOPMENTS	202
13	COMPANY PROFILES	203
13.1	KEY PLAYERS	203
13.1.1	H.B. FULLER COMPANY	203
13.1.1.1	Business overview	203
13.1.1.2	Products offered	204
13.1.1.3	Recent developments	205
13.1.1.3.1	Deals	205
13.1.1.4	MnM view	205
13.1.1.4.1	Key strengths	205
13.1.1.4.2	Strategic choices	205
13.1.1.4.3	Weaknesses and competitive threats	206
13.1.2	3M	207
13.1.2.1	Business overview	207
13.1.2.2	Products offered	208
13.1.2.3	MnM view	209
13.1.2.3.1	Key strengths	209
13.1.2.3.2	Strategic choices	209
13.1.2.3.3	Weaknesses and competitive threats	209
13.1.3	A SOLAR TECHNOLOGY CO., LTD.	210
13.1.3.1	Business overview	210
13.1.3.2	Products offered	211
13.1.3.3	MnM view	211
13.1.3.3.1	Key strengths	211
13.1.3.3.2	Strategic choices	211
13.1.3.3.3	Weaknesses and competitive threats	211
13.1.4	JIANGSU SVECK PHOTOVOLTAIC NEW MATERIAL CO., LTD.	212
13.1.4.1	Business overview	212
13.1.4.2	Products offered	212

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- 13.1.4.3 Recent developments 213
- 13.1.4.3.1 Expansions 213
- 13.1.4.4 MnM view 213
- 13.1.4.4.1 Key strengths 213
- 13.1.4.4.2 Strategic choices 213
- 13.1.4.4.3 Weaknesses and competitive threats 213
- 13.1.5 HANGZHOU FIRST APPLIED MATERIAL CO., LTD. 214
- 13.1.5.1 Business overview 214
- 13.1.5.2 Products offered 215
- 13.1.5.3 Recent developments 215
- 13.1.5.3.1 Expansions 215
- 13.1.5.3.2 Other developments 216
- 13.1.5.4 MnM view 216
- 13.1.5.4.1 Key strengths 216
- 13.1.5.4.2 Strategic choices 216
- 13.1.5.4.3 Weaknesses and competitive threats 216
- 13.1.6 SHANGHAI HIUV NEW MATERIALS CO., LTD. 217
- 13.1.6.1 Business overview 217
- 13.1.6.2 Products offered 217
- 13.1.6.3 Recent developments 218
- 13.1.6.3.1 Other developments 218
- 13.1.6.4 MnM view 218
- 13.1.6.4.1 Key strengths 218
- 13.1.6.4.2 Strategic choices 218
- 13.1.6.4.3 Weaknesses and competitive threats 219
- 13.1.7 GUANGZHOU LUSHAN NEW MATERIALS CO., LTD. 220
- 13.1.7.1 Business overview 220
- 13.1.7.2 Products offered 221
- 13.1.7.3 MnM view 221
- 13.1.7.3.1 Key strengths 221
- 13.1.7.3.2 Strategic choices 221
- 13.1.7.3.3 Weaknesses and competitive threats 221
- 13.1.8 HANWHA GROUP 222
- 13.1.8.1 Business overview 222
- 13.1.8.2 Products offered 223
- 13.1.8.3 Recent developments 223
- 13.1.8.3.1 Deals 223
- 13.1.8.3.2 Expansions 223
- 13.1.8.4 MnM view 224
- 13.1.8.4.1 Key strengths 224
- 13.1.8.4.2 Strategic choices 224
- 13.1.8.4.3 Weaknesses and competitive threats 224
- 13.1.9 CYBRID TECHNOLOGIES INC. 225
- 13.1.9.1 Business overview 225
- 13.1.9.2 Products offered 225
- 13.1.9.3 Recent developments 226
- 13.1.9.3.1 Deals 226

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- 13.1.9.4 □ MnM view □ 226
- 13.1.9.4.1 □ Key strengths □ 226
- 13.1.9.4.2 □ Strategic choices □ 226
- 13.1.9.4.3 □ Weaknesses and competitive threats □ 226
- 13.1.10 □ BETTERIAL □ 227
- 13.1.10.1 □ Business overview □ 227
- 13.1.10.2 □ Products offered □ 227
- 13.1.10.3 □ Recent developments □ 228
- 13.1.10.3.1 □ Other developments □ 228
- 13.1.10.4 □ MnM view □ 228
- 13.1.10.4.1 □ Key strengths □ 228
- 13.1.10.4.2 □ Strategic choices □ 228
- 13.1.10.4.3 □ Weaknesses and competitive threats □ 228
- 13.1.11 □ MATIV □ 229
- 13.1.11.1 □ Business overview □ 229
- 13.1.11.2 □ Products offered □ 230
- 13.1.11.3 □ Recent developments □ 230
- 13.1.11.3.1 □ Deals □ 230
- 13.1.11.4 □ MnM view □ 230
- 13.1.11.4.1 □ Key strengths □ 230
- 13.1.11.4.2 □ Strategic choices □ 230
- 13.1.11.4.3 □ Weaknesses and competitive threats □ 231
- 13.1.12 □ ZHEJIANG SINOPONT TECHNOLOGY CO., LTD. □ 232
- 13.1.12.1 □ Business overview □ 232
- 13.1.12.2 □ Products offered □ 232
- 13.1.12.3 □ Recent developments □ 233
- 13.1.12.3.1 □ Expansions □ 233
- 13.1.12.4 □ MnM view □ 233
- 13.1.12.4.1 □ Key strengths □ 233
- 13.1.12.4.2 □ Strategic choices □ 233
- 13.1.12.4.3 □ Weaknesses and competitive threats □ 233
- 13.2 □ OTHER PLAYERS □ 234
- 13.2.1 □ SATINAL SPA □ 234
- 13.2.2 □ FOLIENWERK WOLFEN GMBH □ 235
- 13.2.3 □ SHENZHEN GAOREN ELECTRONIC NEW MATERIAL CO., LTD. □ 235
- 13.2.4 □ HUIZHOU BAOJUN MATERIAL TECHNOLOGY CO., LTD. □ 236
- 13.2.5 □ ZONPAK NEW MATERIALS CO., LTD. □ 236
- 13.2.6 □ LUCENT CLEANENERGY □ 237
- 13.2.7 □ DR. HANS WERNER CHEMIKALIEN □ 237
- 13.2.8 □ HANGZHOU XINDONGKE ENERGY TECHNOLOGY CO., LTD. □ 238
- 13.2.9 □ DANA POLY, INC. □ 238
- 13.2.10 □ E&N FILM TECH CO. LTD. □ 239
- 13.2.11 □ FANGDING TECHNOLOGY CO., LTD. □ 239
- 13.2.12 □ HUICHI INDUSTRIAL DEVELOPMENT CO., LTD. □ 240
- 13.2.13 □ RICH BIG ENTERPRISE CO., LTD. □ 240
- 13.2.14 □ NOVOPOLYMERS □ 241
- 13.2.15 □ ENERLITE SOLAR FILMS INDIA PRIVATE LIMITED □ 241

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13.2.16	CROWN ADVANCED MATERIAL CO., LTD.	242
13.2.17	FUYIN GROUP	243
14	APPENDIX	244
14.1	DISCUSSION GUIDE	244
14.2	KNOWLEDGESTORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL	247
14.3	CUSTOMIZATION OPTIONS	249
14.4	RELATED REPORTS	249
14.5	AUTHOR DETAILS	250

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