

Acrylonitrile Butadiene Styrene Market by Type (Opaque, Transparent, Colored), Grade (High Impact, Heat Resistant, Electroplatable, Flame Retardant, Blended), Manufacturing Process, Technology, Applications, and Region - Global Forecast to 2028

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Abstracts

The ABS market is projected to reach USD 39.9 billion by 2028, at a CAGR of 6.9% from USD 28.6 billion in 2023. The global ABS market has a promising growth potential driven primarily by factors such as increasing demand in the automotive and appliances industries, a focus on lightweight materials for fuel efficiency, and rising awareness of sustainability and recyclability.

The transparent segment type is projected to grow at the second-fastest CAGR during the forecast period.

Transparent ABS is the second fastest-growing segment due to its versatility and increasing demand in various industries. Its unique properties, including transparency, translucency, and impact resistance, make it a preferred choice for applications such as automotive lenses, medical equipment, display cases, and lighting fixtures. As industries seek visually appealing and durable materials, the usage of transparent ABS continues to surge, driving its rapid growth and market significance.

Continuous mass polymerization is projected to grow at the fastest rate among the manufacturing processes in the ABS market.

Continuous mass polymerization is expected to grow at the fastest rate in the ABS market due to its advantages such as high production efficiency, cost-effectiveness, and consistent product quality. Continuous mass polymerization allows for continuous &

uninterrupted production, reducing downtime, and increasing productivity. Additionally, it offers better control over process parameters, resulting in improved product characteristics. These factors contribute to the growing adoption of continuous mass polymerization in the ABS market.

Middle East & Africa is projected to be the second-fastest growing region in the ABS market during the forecast period.

Middle East & Africa is projected to be the second fastest-growing region in the ABS market due to the increasing demand for ABS in various end-use industries, including automotive, construction, and electronics. The region's growing population, rapid urbanization, and rising disposable income are driving the demand for consumer goods and automobiles, fueling the adoption of ABS in manufacturing processes. Additionally, infrastructure development projects in the region are boosting the demand for ABS in construction applications, contributing to its significant growth potential.

Extensive primary interviews were conducted to determine and verify the sizes of several segments and subsegments of the ABS market gathered through secondary research.

The breakdown of primary interviews has been given below.

By Company Type: Tier 1 – 40%, Tier 2 – 30%, and Tier 3 – 30%

By Designation: C Level Executives – 20%, Director Level – 10%, Others – 70%

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

The key players in the ABS market are LG Chem Ltd. (South Korea), ChiMei Corporation (Taiwan), INEOS Styrolution (Germany), PetroChina Co Ltd. (China), Formosa Chemicals & Fibre Corporation (Taiwan), Sabic (Saudi Arabia), Toray Industries Inc. (Japan), Lotte Chemical (South Korea), Versalis (Italy), Kumho Petrochemical (South Korea), BASF SE (Germany), and Covestro AG (Germany), Trinseo(US), Techno UMG Ltd(Japan), Tianjin Dagu Chemical (China) , The Iran Petrochemical Commercial Company (Iran) , Shanghai Gaoqiao Petrochemical Company (China), IRPC (Thailand), RTP Company (USA) and Ravago Manufacturing (USA), among others. The ABS market report analyzes the key growth strategies, such

as new product launches, expansions, investments, and acquisitions to strengthen their market positions.

Research Coverage

This report provides detailed segmentation of the ABS market and forecasts its market size until 2028. The market has been segmented based on by type (opaque, transparent, and colored), grade (high impact, heat resistant, electroplatable, flame retardant, and blended), manufacturing process (emulsion polymerization, mass polymerization, and continuous mass polymerization), technology (extrusion, injection molding, blow molding, thermoforming, and 3D printing), applications (appliances, electrical & electronics, automotive, consumer goods, and construction), and region (North America, Europe, Asia Pacific, Middle East & Africa, and South America). A detailed analysis of key industry players has been conducted to provide insights into their business overviews, products & services, key strategies, partnerships, expansions, and acquisitions associated with the ABS 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 on the competitive landscape; emerging and high-growth segments of the ABS market; high-growth regions; and market drivers, restraints, opportunities, and challenges.

The report provides insights on the following pointers:

Analysis of key drivers (growing demand from end-use industries, surging consumer awareness & preference for high-performance plastics, advancements in manufacturing technologies), restraints (competition from alternative materials, lack of skilled workforce & testing facilities in developing countries), opportunities (advancements in 3D printing, the increasing demand for sustainable packaging solutions), and challenges (the availability and efficiency of recycling infrastructure for ABS waste) influencing the growth of the ABS market

Market Penetration: Comprehensive information on ABS offered by top players in the global ABS market.

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and acquisitions in the ABS market.

Market Development: Comprehensive information about lucrative emerging markets — the report analyzes the markets for ABS market across regions.

Market Diversification: Exhaustive information about partnerships, growing geographies, and recent developments in the ABS market

Competitive Assessment: In-depth assessment of market segments, growth strategies, revenue analysis, and products of the leading market players

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.2.1 INCLUSIONS AND EXCLUSIONS

TABLE 1 ABS MARKET: INCLUSIONS AND EXCLUSIONS

1.3 STUDY SCOPE

1.3.1 MARKETS COVERED

FIGURE 1 ABS MARKET SEGMENTATION

1.3.2 REGIONS COVERED

1.4 YEARS CONSIDERED

1.5 CURRENCY CONSIDERED

1.6 UNITS CONSIDERED

1.7 STAKEHOLDERS

2 RESEARCH METHODOLOGY

2.1 IMPACT OF RECESSION

2.2 RESEARCH DATA

FIGURE 2 ABS MARKET: RESEARCH DESIGN

2.2.1 SECONDARY DATA

2.2.1.1 Major secondary sources

2.2.1.2 Key data from secondary sources

2.2.2 PRIMARY DATA

2.2.2.1 Key data from primary sources

2.2.3 PRIMARY INTERVIEWS

2.2.3.1 Key industry insights

2.2.3.2 Breakdown of primary interviews

2.3 MARKET SIZE ESTIMATION

FIGURE 3 MARKET SIZE ESTIMATION APPROACH

2.3.1 REGIONAL ANALYSIS

FIGURE 4 MARKET SIZE REGIONAL ESTIMATION

2.3.2 TOP-DOWN APPROACH

2.3.2.1 Arriving at market size using top-down approach

FIGURE 5 TOP-DOWN APPROACH

2.3.3 BOTTOM-UP APPROACH

2.3.3.1 Arriving at market size using bottom-up approach

FIGURE 6 BOTTOM-UP APPROACH

2.4 DATA TRIANGULATION

FIGURE 7 ABS MARKET: DATA TRIANGULATION

2.5 FACTOR ANALYSIS

2.6 ASSUMPTIONS

2.7 LIMITATIONS & RISKS

3 EXECUTIVE SUMMARY

FIGURE 8 OPAQUE SEGMENT TO LEAD MARKET DURING FORECAST PERIOD

FIGURE 9 HIGH IMPACT GRADE TO LEAD MARKET DURING FORECAST PERIOD

FIGURE 10 INJECTION MOLDING TO LEAD MARKET DURING FORECAST PERIOD

FIGURE 11 EMULSION POLYMERIZATION ACCOUNTED FOR LARGEST SHARE OF ABS MARKET

FIGURE 12 AUTOMOTIVE APPLICATIONS ACCOUNTED FOR LARGEST SHARE OF ABS MARKET

FIGURE 13 ASIA PACIFIC ACCOUNTED FOR LARGEST SHARE OF ABS MARKET

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN ABS MARKET

FIGURE 14 ASIA PACIFIC TO OFFER ATTRACTIVE OPPORTUNITIES IN ABS MARKET DURING FORECAST PERIOD

4.2 ABS MARKET, BY TYPE

FIGURE 15 OPAQUE SEGMENT TO LEAD MARKET DURING FORECAST PERIOD

4.3 ABS MARKET, BY TECHNOLOGY

FIGURE 16 INJECTION MOLDING TO LEAD MARKET DURING FORECAST PERIOD

4.4 ABS MARKET, BY GRADE

FIGURE 17 HIGH IMPACT TO LEAD MARKET DURING FORECAST PERIOD

4.5 ABS MARKET, BY MANUFACTURING PROCESS

FIGURE 18 EMULSION POLYMERIZATION TO LEAD MARKET DURING FORECAST PERIOD

4.6 ABS MARKET, BY APPLICATION

FIGURE 19 AUTOMOTIVE SEGMENT TO LEAD MARKET DURING FORECAST PERIOD

4.7 ABS MARKET IN ASIA PACIFIC, BY END USER AND COUNTRY, 2022

FIGURE 20 AUTOMOTIVE SEGMENT AND CHINA ACCOUNTED FOR LARGEST SHARES

4.8 ABS MARKET, BY REGION

FIGURE 21 CHINA TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD**5 MARKET OVERVIEW****5.1 INTRODUCTION****5.2 MARKET DYNAMICS****5.2.1 DRIVERS**

5.2.1.1 Growing demand from end-use industries

5.2.1.2 Advancements in manufacturing technologies

5.2.1.3 Surging consumer awareness and preference for high-performance plastics

5.2.2 RESTRAINTS

5.2.2.1 Competition from alternative materials

5.2.2.2 Lack of skilled workforce and testing facilities in emerging economies

5.2.3 OPPORTUNITIES

5.2.3.1 Advancements in 3D printing

5.2.3.2 Increasing demand for sustainable packaging solutions

5.2.4 CHALLENGES

5.2.4.1 Availability and efficiency of recycling infrastructure for ABS waste

5.3 PORTER'S FIVE FORCES ANALYSIS**FIGURE 23 ABS MARKET: PORTER'S FIVE FORCES ANALYSIS**

5.3.1 THREAT OF NEW ENTRANTS

5.3.2 BARGAINING POWER OF BUYERS

5.3.3 BARGAINING POWER OF SUPPLIERS

5.3.4 THREAT OF SUBSTITUTES

5.3.5 INTENSITY OF COMPETITIVE RIVALRY

TABLE 2 ABS MARKET: PORTER'S FIVE FORCES ANALYSIS**5.4 SUPPLY CHAIN ANALYSIS****FIGURE 24 ABS MARKET: SUPPLY CHAIN ANALYSIS****5.5 RAW MATERIAL ANALYSIS**

5.5.1 ACRYLONITRILE

5.5.2 BUTADIENE

5.5.3 STYRENE

5.6 CASE STUDY ANALYSIS**5.6.1 COST-EFFECTIVE MATERIAL SOLUTION FOR PREMIUM CAR SPEAKER GRILLS****5.6.2 DEVELOPING CUSTOMIZED MATERIAL SOLUTION FOR HOME OXYGEN CONCENTRATORS**

5.6.3 POWER OF ANTIMICROBIAL ABS FOR DAILY LIFE PRODUCTS

5.7 MACROECONOMIC INDICATORS

5.7.1 GDP TRENDS AND FORECAST

TABLE 3 GDP TRENDS AND FORECAST, BY MAJOR ECONOMY, 2021–2028 (USD BILLION)

5.8 REGULATORY LANDSCAPE

5.8.1 REGULATIONS

5.8.1.1 Europe

5.8.1.2 US

5.8.1.3 Others

5.8.2 STANDARDS

5.8.2.1 Occupational Safety and Health Act of 1970 (OSHA Standards)

5.8.2.2 European Committee for Standardization (CEN)

5.8.3 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 4 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

5.9 TRADE ANALYSIS

TABLE 5 MAJOR EXPORTING COUNTRIES – ABS (USD MILLION)

TABLE 6 MAJOR IMPORTING COUNTRIES– ABS (USD MILLION)

5.10 TECHNOLOGY ANALYSIS

5.10.1 ADDITIVE MANUFACTURING/3D PRINTING

5.10.2 BIO-BASED ABS

5.10.3 SURFACE MODIFICATION TECHNIQUES

5.10.4 DIGITALIZATION AND DATA-DRIVEN MANUFACTURING

5.10.5 HYBRID ABS COMPOSITES

5.11 AVERAGE SELLING PRICE TREND

TABLE 7 AVERAGE SELLING PRICE, BY REGION (USD/KG)

TABLE 8 AVERAGE SELLING PRICE, BY KEY PLAYER (USD/KG)

TABLE 9 AVERAGE SELLING PRICE, BY KEY APPLICATION (USD/KG)

5.12 ECOSYSTEM MAPPING

FIGURE 25 ABS ECOSYSTEM MAPPING

TABLE 10 ABS MARKET: ECOSYSTEM

5.13 TRENDS AND DISRUPTIONS IMPACTING CUSTOMERS' BUSINESSES

FIGURE 26 AUTOMOTIVE, CONSUMER GOODS, AND CONSTRUCTION APPLICATIONS TO DRIVE MARKET

5.14 PATENT ANALYSIS

5.14.1 INTRODUCTION

5.14.2 METHODOLOGY

5.14.3 DOCUMENT TYPE

FIGURE 27 TOTAL NUMBER OF PATENTS REGISTERED IN 10 YEARS (2012–2022)

- 5.14.4 PUBLICATION TRENDS, LAST 10 YEARS
- FIGURE 28 NUMBER OF PATENTS YEAR-WISE FROM 2012 TO 2022
- 5.14.5 INSIGHTS
- 5.14.6 LEGAL STATUS OF PATENTS
- FIGURE 29 PATENT ANALYSIS, BY LEGAL STATUS
- 5.14.7 JURISDICTION ANALYSIS
- FIGURE 30 TOP JURISDICTION – BY DOCUMENT
- 5.14.8 TOP COMPANIES/APPLICANTS
- FIGURE 31 TOP 10 PATENT APPLICANTS
 - 5.14.8.1 Patents by Seagate Plastics Company
 - TABLE 11 PATENTS BY SEAGATE PLASTICS COMPANY
 - 5.14.8.2 Patents by LG Chemical LTD
 - TABLE 12 PATENTS BY LG CHEMICAL LTD
 - 5.14.8.3 Patents by LG Electronics INC
 - TABLE 13 PATENTS BY LG ELECTRONICS INC
- 5.14.9 TOP 10 PATENT OWNERS (US) IN LAST 10 YEARS
- TABLE 14 TOP 10 PATENT OWNERS
- 5.15 KEY CONFERENCES & EVENTS IN 2023–2024
- TABLE 15 ABS MARKET: CONFERENCES & EVENTS
- 5.16 BUYING CRITERIA
- FIGURE 32 INFLUENCE OF KEY STAKEHOLDERS IN BUYING PROCESS FOR TOP 3 APPLICATIONS
- TABLE 16 KEY BUYING CRITERIA FOR TOP 3 APPLICATIONS

6 ABS MARKET, BY TYPE

- 6.1 INTRODUCTION
 - FIGURE 33 ABS MARKET, BY TYPE (2023–2028)
 - TABLE 17 ABS MARKET, BY TYPE, 2021–2028 (KILOTON)
 - TABLE 18 ABS MARKET, BY TYPE, 2021–2028 (USD MILLION)
- 6.2 OPAQUE ABS
 - 6.2.1 INCREASED DEMAND FROM VARIOUS END-USE INDUSTRIES TO DRIVE MARKET
- 6.3 COLORED ABS
 - 6.3.1 EXCELLENT MECHANICAL PROPERTIES TO DRIVE MARKET
- 6.4 TRANSPARENT ABS
 - 6.4.1 VISUAL APPEAL AND STRENGTH TO DRIVE MARKET

7 ABS MARKET, BY GRADE

7.1 INTRODUCTION

FIGURE 34 ABS MARKET, BY GRADE (2023–2028)

TABLE 19 ABS MARKET, BY GRADE, 2021–2028 (KILOTON)

TABLE 20 ABS MARKET, BY GRADE, 2021–2028 (USD MILLION)

7.2 HIGH-IMPACT ABS

7.2.1 OUTSTANDING TOUGHNESS TO DRIVE MARKET

7.3 HEAT-RESISTANT ABS

7.3.1 HIGH DEMAND FROM VARIOUS END-USE INDUSTRIES TO DRIVE MARKET

7.4 ELECTROPLATABLE ABS

7.4.1 INCREASING DEMAND FROM AUTOMOTIVE AND ELECTRONICS TO DRIVE MARKET

7.5 FLAME-RETARDANT ABS

7.5.1 ENHANCED FIRE SAFETY PROPERTIES TO DRIVE MARKET

7.6 BLENDED ABS

7.6.1 ENHANCED PERFORMANCE CAPABILITIES TO DRIVE MARKET

8 ABS MARKET, BY MANUFACTURING PROCESS

8.1 INTRODUCTION

FIGURE 35 ABS MARKET, BY MANUFACTURING PROCESS (2023–2028)

TABLE 21 ABS MARKET, BY MANUFACTURING PROCESS, 2021–2028 (KILOTON)

TABLE 22 ABS MARKET, BY MANUFACTURING PROCESS, 2021–2028 (USD MILLION)

8.2 EMULSION POLYMERIZATION

8.2.1 ENHANCED ABS PROPERTIES TO DRIVE MARKET

8.3 MASS POLYMERIZATION

8.3.1 ENHANCED IMPACT RESISTANCE AND TENSILE STRENGTH TO DRIVE MARKET

8.4 CONTINUOUS MASS POLYMERIZATION

8.4.1 CONSISTENT PRODUCT QUALITY THROUGHOUT PRODUCTION PROCESS TO DRIVE MARKET

8.5 OTHERS

9 ABS MARKET, BY TECHNOLOGY

9.1 INTRODUCTION

FIGURE 36 ABS MARKET, BY TECHNOLOGY (2023–2028)

TABLE 23 ABS MARKET, BY TECHNOLOGY, 2021–2028 (KILOTON)

TABLE 24 ABS MARKET, BY TECHNOLOGY, 2021–2028 (USD MILLION)**9.2 EXTRUSION**

9.2.1 WIDE PRODUCTION OF ABS SHEETS TO DRIVE MARKET

9.3 INJECTION MOLDING

9.3.1 HIGH PRODUCTION RATES TO DRIVE MARKET

9.4 BLOW MOLDING

9.4.1 LARGE-SCALE PRODUCTION OF HOLLOW PLASTIC PRODUCTS TO DRIVE MARKET

9.5 THERMOFORMING

9.5.1 COST-EFFECTIVE PRODUCTION PROCESS TO DRIVE MARKET

9.6 3D PRINTING

9.6.1 QUICK AND COST-EFFECTIVE PRINTING TO DRIVE MARKET

10 ABS MARKET, BY APPLICATION**10.1 INTRODUCTION**

FIGURE 37 ABS MARKET, BY APPLICATION (2023–2028)

TABLE 25 ABS MARKET, BY APPLICATION, 2021–2028 (KILOTON)

TABLE 26 ABS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

10.2 APPLIANCES

10.2.1 EXTENSIVE USE IN APPLIANCES INDUSTRY TO DRIVE MARKET

10.2.1.1 Washing machine

10.2.1.2 Refrigeration

10.2.1.3 Others

10.3 ELECTRICAL AND ELECTRONICS

10.3.1 ENHANCED PRODUCT PERFORMANCE TO DRIVE MARKET

10.3.1.1 Electronic enclosures

10.3.1.2 Computer printer housing

10.3.1.3 Others

10.4 AUTOMOTIVE

10.4.1 HIGH DEMAND FOR ABS IN AUTOMOTIVE INDUSTRY TO DRIVE MARKET

10.4.1.1 Instrument panel

10.4.1.2 Dashboard console

10.4.1.3 Others

10.5 CONSUMER GOODS

10.5.1 UNLEASHING VERSATILITY AND DURABILITY TO DRIVE MARKET

10.5.1.1 Small domestic appliances

10.5.1.2 Protective cases

10.5.1.3 Others

10.6 CONSTRUCTION

10.6.1 EMBRACING ABS FOR CONSTRUCTION EXCELLENCE TO DRIVE MARKET

10.6.1.1 Pipes and fittings

10.6.1.2 Roofing and membranes

10.6.1.3 Others

10.7 OTHERS

11 ABS MARKET, BY REGION

11.1 INTRODUCTION

FIGURE 38 CHINA TO BE FASTEST GROWING MARKET DURING FORECAST PERIOD

TABLE 27 ABS MARKET, BY REGION, 2021–2028 (KILOTON)

TABLE 28 ABS MARKET, BY REGION, 2021–2028 (USD MILLION)

11.2 ASIA PACIFIC

FIGURE 39 ASIA PACIFIC: ABS MARKET SNAPSHOT

TABLE 29 ASIA PACIFIC: ABS MARKET, BY COUNTRY, 2021–2028 (KILOTON)

TABLE 30 ASIA PACIFIC: ABS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 31 ASIA PACIFIC: ABS MARKET, BY TYPE, 2021–2028 (KILOTON)

TABLE 32 ASIA PACIFIC: ABS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 33 ASIA PACIFIC: ABS MARKET, BY GRADE, 2021–2028 (KILOTON)

TABLE 34 ASIA PACIFIC: ABS MARKET, BY GRADE, 2021–2028 (USD MILLION)

TABLE 35 ASIA PACIFIC: ABS MARKET, BY MANUFACTURING PROCESS, 2021–2028 (KILOTON)

TABLE 36 ASIA PACIFIC: ABS MARKET, BY MANUFACTURING PROCESS, 2021–2028 (USD MILLION)

TABLE 37 ASIA PACIFIC: ABS MARKET, BY TECHNOLOGY, 2021–2028 (KILOTON)

TABLE 38 ASIA PACIFIC: ABS MARKET, BY TECHNOLOGY, 2021–2028 (USD MILLION)

TABLE 39 ASIA PACIFIC: ABS MARKET, BY APPLICATION, 2021–2028 (KILOTON)

TABLE 40 ASIA PACIFIC: ABS MARKET SIZE, BY APPLICATION, 2021–2028 (USD MILLION)

11.2.1 CHINA

11.2.1.1 Increasing demand for passenger cars to drive market

TABLE 41 CHINA: ABS MARKET, BY APPLICATION, 2021–2028 (KILOTON)

TABLE 42 CHINA: ABS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

11.2.2 INDIA

11.2.2.1 Strategic government initiatives to drive market

TABLE 43 INDIA: ABS MARKET, BY APPLICATION, 2021–2028 (KILOTON)

TABLE 44 INDIA: ABS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

11.2.3 JAPAN

11.2.3.1 Stringent government regulations concerning greenhouse gas emissions to drive market

TABLE 45 JAPAN: ABS MARKET, BY APPLICATION, 2021–2028 (KILOTON)

TABLE 46 JAPAN: ABS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

11.2.4 SOUTH KOREA

11.2.4.1 Growth in automotive sector to drive market

TABLE 47 SOUTH KOREA: ABS MARKET, BY APPLICATION, 2021–2028 (KILOTON)

TABLE 48 SOUTH KOREA: ABS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

11.2.5 REST OF ASIA PACIFIC

TABLE 49 REST OF ASIA PACIFIC: ABS MARKET, BY APPLICATION, 2021–2028 (KILOTON)

TABLE 50 REST OF ASIA PACIFIC: ABS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

11.3 EUROPE

FIGURE 40 EUROPE: ABS MARKET SNAPSHOT

TABLE 51 EUROPE: ABS MARKET, BY COUNTRY, 2021–2028 (KILOTON)

TABLE 52 EUROPE: ABS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 53 EUROPE: ABS MARKET, BY TYPE, 2021–2028 (KILOTON)

TABLE 54 EUROPE: ABS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 55 EUROPE: ABS MARKET, BY GRADE, 2021–2028 (KILOTON)

TABLE 56 EUROPE: ABS MARKET, BY GRADE, 2021–2028 (USD MILLION)

TABLE 57 EUROPE: ABS MARKET, BY MANUFACTURING PROCESS, 2021–2028 (KILOTON)

TABLE 58 EUROPE: ABS MARKET, BY MANUFACTURING PROCESS, 2021–2028 (USD MILLION)

TABLE 59 EUROPE: ABS MARKET, BY TECHNOLOGY, 2021–2028 (KILOTON)

TABLE 60 EUROPE: ABS MARKET, BY TECHNOLOGY, 2021–2028 (USD MILLION)

TABLE 61 EUROPE: ABS MARKET, BY APPLICATION, 2021–2028 (KILOTON)

TABLE 62 EUROPE: ABS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

11.3.1 GERMANY

11.3.1.1 Technological advancements in electronics sector to drive market

TABLE 63 GERMANY: ABS MARKET, BY APPLICATION, 2021–2028 (KILOTON)

TABLE 64 GERMANY: ABS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

11.3.2 ITALY

11.3.2.1 Government initiatives to promote sales of electric vehicles to drive market

TABLE 65 ITALY: ABS MARKET, BY APPLICATION, 2021–2028 (KILOTON)

TABLE 66 ITALY: ABS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

11.3.3 POLAND

11.3.3.1 Robust manufacturing sector to drive market

TABLE 67 POLAND: ABS MARKET, BY APPLICATION, 2021–2028 (KILOTON)

TABLE 68 POLAND: ABS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

11.3.4 SPAIN

11.3.4.1 Accelerating automotive sector to drive market

TABLE 69 SPAIN: ABS MARKET, BY APPLICATION, 2021–2028 (KILOTON)

TABLE 70 SPAIN: ABS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

11.3.5 UK

11.3.5.1 Increasing demand for passenger vehicles to drive market

TABLE 71 UK: ABS MARKET, BY APPLICATION, 2021–2028 (KILOTON)

TABLE 72 UK: ABS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

11.3.6 REST OF EUROPE

TABLE 73 REST OF EUROPE: ABS MARKET, BY APPLICATION, 2021–2028 (KILOTON)

TABLE 74 REST OF EUROPE: ABS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

11.4 NORTH AMERICA

FIGURE 41 NORTH AMERICA: ABS MARKET SNAPSHOT

TABLE 75 NORTH AMERICA: ABS MARKET, BY COUNTRY, 2021–2028 (KILOTON)

TABLE 76 NORTH AMERICA: ABS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 77 NORTH AMERICA: ABS MARKET, BY TYPE, 2021–2028 (KILOTON)

TABLE 78 NORTH AMERICA: ABS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 79 NORTH AMERICA: ABS MARKET, BY GRADE, 2021–2028 (KILOTON)

TABLE 80 NORTH AMERICA: ABS MARKET, BY GRADE, 2021–2028 (USD MILLION)

TABLE 81 NORTH AMERICA: ABS MARKET, BY MANUFACTURING PROCESS, 2021–2028 (KILOTON)

TABLE 82 NORTH AMERICA: ABS MARKET, BY MANUFACTURING PROCESS, 2021–2028 (USD MILLION)

TABLE 83 NORTH AMERICA: ABS MARKET, BY TECHNOLOGY, 2021–2028 (KILOTON)

TABLE 84 NORTH AMERICA: ABS MARKET, BY TECHNOLOGY, 2021–2028 (USD MILLION)

TABLE 85 NORTH AMERICA: ABS MARKET, BY APPLICATION, 2021–2028 (KILOTON)

TABLE 86 NORTH AMERICA: ABS MARKET, BY APPLICATION, 2021–2028 (USD

MILLION)

11.4.1 US

11.4.1.1 Increasing demand for electric vehicles to drive market

TABLE 87 US: ABS MARKET, BY APPLICATION, 2021–2028 (KILOTON)

TABLE 88 US: ABS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

11.4.2 CANADA

11.4.2.1 Government initiatives for zero-emission electric vehicles to drive market

TABLE 89 CANADA: ABS MARKET, BY APPLICATION, 2021–2028 (KILOTON)

TABLE 90 CANADA: ABS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

11.4.3 MEXICO

11.4.3.1 Exports and domestic manufacturing to drive market

TABLE 91 MEXICO: ABS MARKET, BY APPLICATION, 2021–2028 (KILOTON)

TABLE 92 MEXICO: ABS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

11.5 MIDDLE EAST & AFRICA

FIGURE 42 MIDDLE EAST & AFRICA: ABS MARKET SNAPSHOT

TABLE 93 MIDDLE EAST & AFRICA: ABS MARKET, BY COUNTRY, 2021–2028
(KILOTON)

TABLE 94 MIDDLE EAST & AFRICA: ABS MARKET, BY COUNTRY, 2021–2028 (USD
MILLION)

TABLE 95 MIDDLE EAST & AFRICA: ABS MARKET, BY TYPE, 2021–2028
(KILOTON)

TABLE 96 MIDDLE EAST & AFRICA: ABS MARKET, BY TYPE, 2021–2028 (USD
MILLION)

TABLE 97 MIDDLE EAST & AFRICA: ABS MARKET, BY GRADE, 2021–2028
(KILOTON)

TABLE 98 MIDDLE EAST & AFRICA: ABS MARKET, BY GRADE, 2021–2028 (USD
MILLION)

TABLE 99 MIDDLE EAST & AFRICA: ABS MARKET, BY MANUFACTURING
PROCESS, 2021–2028 (KILOTON)

TABLE 100 MIDDLE EAST & AFRICA: ABS MARKET, BY MANUFACTURING
PROCESS, 2021–2028 (USD MILLION)

TABLE 101 MIDDLE EAST & AFRICA: ABS MARKET, BY TECHNOLOGY, 2021–2028
(KILOTON)

TABLE 102 MIDDLE EAST & AFRICA: ABS MARKET, BY TECHNOLOGY, 2021–2028
(USD MILLION)

TABLE 103 MIDDLE EAST & AFRICA: ABS MARKET, BY APPLICATION, 2021–2028
(KILOTON)

TABLE 104 MIDDLE EAST & AFRICA: ABS MARKET, BY APPLICATION, 2021–2028
(USD MILLION)

11.5.1 UAE

11.5.1.1 Increasing demand from construction sector to drive demand

TABLE 105 UAE: ABS MARKET, BY APPLICATION, 2021–2028 (KILOTON)

TABLE 106 UAE: ABS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

11.5.2 SAUDI ARABIA

11.5.2.1 Growing construction and manufacturing activities to drive market

TABLE 107 SAUDI ARABIA: ABS MARKET, BY APPLICATION, 2021–2028 (KILOTON)

TABLE 108 SAUDI ARABIA: ABS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

11.5.3 SOUTH AFRICA

11.5.3.1 Increasing demand from construction sector to drive market

TABLE 109 SOUTH AFRICA: ABS MARKET, BY APPLICATION, 2021–2028 (KILOTON)

TABLE 110 SOUTH AFRICA: ABS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

11.5.4 REST OF MIDDLE EAST & AFRICA

TABLE 111 REST OF MIDDLE EAST & AFRICA: ABS MARKET, BY APPLICATION, 2021–2028 (KILOTON)

TABLE 112 REST OF MIDDLE EAST & AFRICA: ABS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

11.6 SOUTH AMERICA

FIGURE 43 SOUTH AMERICA: ABS MARKET SNAPSHOT

TABLE 113 SOUTH AMERICA: ABS MARKET, BY COUNTRY, 2021–2028 (KILOTON)

TABLE 114 SOUTH AMERICA: ABS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 115 SOUTH AMERICA: ABS MARKET, BY TYPE, 2021–2028 (KILOTON)

TABLE 116 SOUTH AMERICA: ABS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 117 SOUTH AMERICA: ABS MARKET, BY GRADE, 2021–2028 (KILOTON)

TABLE 118 SOUTH AMERICA: ABS MARKET, BY GRADE, 2021–2028 (USD MILLION)

TABLE 119 SOUTH AMERICA: ABS MARKET, BY MANUFACTURING PROCESS, 2021–2028 (KILOTON)

TABLE 120 SOUTH AMERICA: ABS MARKET, BY MANUFACTURING PROCESS, 2021–2028 (USD MILLION)

TABLE 121 SOUTH AMERICA: ABS MARKET, BY TECHNOLOGY, 2021–2028 (KILOTON)

TABLE 122 SOUTH AMERICA: ABS MARKET, BY TECHNOLOGY, 2021–2028 (USD MILLION)

TABLE 123 SOUTH AMERICA: ABS MARKET, BY APPLICATION, 2021–2028
(KILOTON)

TABLE 124 SOUTH AMERICA: ABS MARKET, BY APPLICATION, 2021–2028 (USD
MILLION)

11.6.1 BRAZIL

11.6.1.1 Economic growth to drive market

TABLE 125 BRAZIL: ABS MARKET, BY APPLICATION, 2021–2028 (KILOTON)

TABLE 126 BRAZIL: ABS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

11.6.2 ARGENTINA

11.6.2.1 Electronics and automotive sectors to drive market

TABLE 127 ARGENTINA: ABS MARKET, BY APPLICATION, 2021–2028 (KILOTON)

TABLE 128 ARGENTINA: ABS MARKET, BY APPLICATION, 2021–2028 (USD
MILLION)

11.6.3 REST OF SOUTH AMERICA

TABLE 129 REST OF SOUTH AMERICA: ABS MARKET, BY APPLICATION,
2021–2028 (KILOTON)

TABLE 130 REST OF SOUTH AMERICA: ABS MARKET, BY APPLICATION,
2021–2028 (USD MILLION)

12 COMPETITIVE LANDSCAPE

12.1 OVERVIEW

FIGURE 44 COMPANIES ADOPTED ACQUISITION AND EXPANSION AS KEY
GROWTH STRATEGIES BETWEEN 2019 AND 2023

12.2 RANKING ANALYSIS OF KEY MARKET PLAYERS

FIGURE 45 RANKING OF TOP FIVE PLAYERS IN ABS MARKET, 2022

12.3 MARKET SHARE ANALYSIS

FIGURE 46 ABS MARKET SHARE, BY COMPANY (2022)

TABLE 131 ABS MARKET: DEGREE OF COMPETITION

12.4 REVENUE ANALYSIS OF TOP PLAYERS

TABLE 132 ABS MARKET: REVENUE ANALYSIS (USD BILLION)

12.5 MARKET EVALUATION MATRIX

TABLE 133 MARKET EVALUATION MATRIX

12.6 COMPANY EVALUATION MATRIX, 2022

12.6.1 STARS

12.6.2 EMERGING LEADERS

12.6.3 PERVASIVE PLAYERS

12.6.4 PARTICIPANTS

FIGURE 47 ABS MARKET: COMPANY EVALUATION MATRIX, 2022

12.7 START-UPS AND SMALL AND MEDIUM-SIZED ENTERPRISES (SMES) EVALUATION MATRIX

12.7.1 RESPONSIVE COMPANIES

12.7.2 STARTING BLOCKS

12.7.3 PROGRESSIVE COMPANIES

12.7.4 DYNAMIC COMPANIES

FIGURE 48 ABS MARKET: START-UPS AND SMES MATRIX, 2022

12.8 COMPANY END-USE INDUSTRY FOOTPRINT

12.9 COMPANY REGION FOOTPRINT

12.10 STRENGTH OF PRODUCT PORTFOLIO

12.11 BUSINESS STRATEGY EXCELLENCE

12.12 COMPETITIVE SCENARIO

12.12.1 PRODUCT LAUNCHES

TABLE 134 PRODUCT LAUNCHES, 2019–2023

12.12.2 DEALS

TABLE 135 DEALS, 2017—2023

12.12.3 OTHER DEVELOPMENTS

TABLE 136 OTHER DEVELOPMENTS, 2019–2023

13 COMPANY PROFILES

(Business Overview, Products/Solutions/Services offered, Recent Developments, Deals, MnM view, Key strengths, Strategic choices, Weakness and competitive threats)

*

13.1 KEY PLAYERS

13.1.1 LG CHEM LTD

TABLE 137 LG CHEM LTD: COMPANY OVERVIEW

FIGURE 49 LG CHEM LTD: COMPANY SNAPSHOT

TABLE 138 LG CHEM LTD: PRODUCT OFFERED

TABLE 139 LG CHEM LTD: OTHER DEVELOPMENTS

13.1.2 CHIMEI CORPORATION

TABLE 140 CHIMEI CORPORATION: COMPANY OVERVIEW

FIGURE 50 CHIMEI CORP: COMPANY SNAPSHOT

TABLE 141 CHIMEI CORPORATION: PRODUCT OFFERINGS

TABLE 142 CHIMEI CORPORATION: PRODUCT LAUNCHES

TABLE 143 CHIMEI CORPORATION: OTHER DEVELOPMENTS

13.1.3 INEOS STYROLUTION

TABLE 144 INEOS STYROLUTION: COMPANY OVERVIEW

FIGURE 51 INEOS STYROLUTION: COMPANY SNAPSHOT

TABLE 145 INEOS STYROLUTION: PRODUCTS OFFERED

TABLE 146 INEOS STYROLUTION: DEALS

TABLE 147 INEOS STYROLUTION: NEW PRODUCT LAUNCHES

TABLE 148 INEOS STYROLUTION: OTHER DEVELOPMENTS

13.1.4 PETROCHINA CO LTD

TABLE 149 PETROCHINA CO LTD: COMPANY OVERVIEW

FIGURE 52 PETROCHEM CO LTD: COMPANY SNAPSHOT

TABLE 150 PETROCHINA CO LTD: PRODUCTS OFFERED

TABLE 151 PETROCHINA CO LTD: OTHER DEVELOPMENTS

13.1.5 FORMOSA CHEMICALS & FIBRE CORPORATION

TABLE 152 FORMOSA CHEMICALS & FIBRE CORPORATION: COMPANY OVERVIEW

FIGURE 53 FORMOSA CHEMICALS & FIBRE CORPORATION: COMPANY SNAPSHOT

TABLE 153 FORMOSA CHEMICALS & FIBRE CORPORATION: PRODUCTS OFFERED

TABLE 154 FORMOSA CHEMICALS & FIBRE CORPORATION: OTHER DEVELOPMENTS

13.1.6 SABIC

TABLE 155 SABIC: COMPANY OVERVIEW

FIGURE 54 SABIC: COMPANY SNAPSHOT

TABLE 156 SABIC: PRODUCTS OFFERED

13.1.7 TORAY INDUSTRIES, INC.

TABLE 157 TORAY INDUSTRIES, INC.: COMPANY OVERVIEW

FIGURE 55 TORAY INDUSTRIES, INC.: COMPANY SNAPSHOT

TABLE 158 TORAY INDUSTRIES, INC.: PRODUCTS OFFERED

TABLE 159 TORAY INDUSTRIES, INC.: OTHER DEVELOPMENTS

13.1.8 LOTTE CHEMICAL

TABLE 160 LOTTE CHEMICAL COMPANY OVERVIEW

FIGURE 56 LOTTE CHEMICAL: COMPANY SNAPSHOT

TABLE 161 LOTTE CHEMICAL: PRODUCTS OFFERED

TABLE 162 LOTTE CHEMICALS: DEALS

TABLE 163 LOTTE CHEMICALS: OTHER DEVELOPMENTS

13.1.9 VERSALIS

TABLE 164 VERSALIS: COMPANY OVERVIEW

FIGURE 57 VERSALIS: COMPANY SNAPSHOT

TABLE 165 VERSALIS: PRODUCTS OFFERED

TABLE 166 VERSALIS: OTHER DEVELOPMENTS

13.1.10 KUMHO PETROCHEMICAL

TABLE 167 KUMHO PETROCHEMICAL: COMPANY OVERVIEW
FIGURE 58 KUMHO PETROCHEMICALS: COMPANY SNAPSHOT
TABLE 168 KUMHO PETROCHEMICAL: PRODUCTS OFFERED
13.1.11 BASF SE

TABLE 169 BASF SE: COMPANY OVERVIEW
FIGURE 59 BASF SE: COMPANY SNAPSHOT
13.1.12 COVESTRO AG

TABLE 170 COVESTRO AG: COMPANY OVERVIEWS
FIGURE 60 COVESTRO AG: COMPANY SNAPSHOT

*Details on Business Overview, Products/Solutions/Services offered, Recent Developments, Deals, MnM view, Right to win, Strategic choices, Weakness and competitive threats might not be captured in case of unlisted companies.

13.2 OTHER PLAYERS

13.2.1 TRINSEO

13.2.2 TECHNO UMG CO LTD.

13.2.3 TIANJIN DAGU CHEMICAL CO., LTD.

13.2.4 THE IRAN PETROCHEMICAL COMMERCIAL COMPANY

13.2.5 SHANGHAI GAOQIAO PETROCHEMICAL COMPANY

13.2.6 IRPC

13.2.7 RTP COMPANY

13.2.8 RAVAGO MANUFACTURING AMERICAS LLC

14 APPENDIX

14.1 DISCUSSION GUIDE

14.2 KNOWLEDGESTORE: MARKETSDANDMARKETS' SUBSCRIPTION PORTAL

14.3 CUSTOMIZATION OPTIONS

14.4 RELATED REPORTS

14.5 AUTHOR DETAILS

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