

# **HPF Market by Type (PTFE, FEP, PFA/MFA, ETFE), Form, Application (Coatings & Liners, Components, Films, Additives), End-use Industry (Electrical & Electronics, Industrial Processing, Transportation, Medical), and Region - Global Forecast to 2029**

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## **Abstracts**

The HPF market size is projected to grow from USD 4.6 billion in 2024 to USD 6.4 billion by 2029, registering a CAGR of 7.1% during the forecast period. Rapid enhancements in healthcare, e-commerce, green building initiatives, infrastructures and increasing focus on self-reliance in aerospace, automotive, defense sectors is expected to play a key role in the market growth of HPF.

“Fine Powder/Coagulated Dispersions is projected to be the fastest growing segment by form in terms of value.”

Fine Powder/Coagulated Dispersions is projected to be the fastest growing segment in the HPF market due to their unique properties and versatile form. It is a free-flowing powder made by coagulating dispersions of HPF. They are further paste extruded into tapes, tubes, pipe liners, and coated wires. This form is suited to manufacture fuel hoses for the automotive industry, textile membranes, tapes, tubes, rods, wire coatings, and hydraulic hoses.

“Components to be the fastest growing segment by application in terms of value.”

HPF components serve various end-use industries such as transportation, electrical & electronics, and medical. In the transportation industry, the components are used in car seats, convertible components, roof upholstery, speaker cones, and sound insulation materials. HPF components can withstand aggressive etching chemicals and provide

the necessary purity in the production of microchips and other electronics applications where even trace contaminants can severely affect production yield. HPF components are used in various medical applications such as retractable coils, custom tubing assemblies, sensor covers, and medical fluoroplastic fabrications.

“Industrial processing accounted for the third largest share in the end-use industry segment of HPF market in terms of value.”

In the industrial processing industry, HPF are widely used in chemical processing, food production, textile processing, and oilfield equipment. They are majorly used in the manufacturing of pumps and valves, shaft seals, sliding elements, and friction bearings. PTFE is used for these applications due to its price and better properties compared to other materials. The industrial processing segment accounts for the largest share of the overall HPF market. This large market share is attributed to the growing industrial maintenance and equipment market in Asia Pacific. The chemical industry production is continuously migrating toward Asia Pacific and the Middle East & Africa. This trend could increase the demand for HPF in Asia Pacific and the rest of the world during the forecasted period.

“Europe is the second-largest market for HPF.”

Europe holds the second-largest market share globally in the HPF market due to several key factors. Firstly, the region benefits from a well-established infrastructure, advanced research and development capabilities, and stringent regulatory standards, fostering innovation and quality in HPF products. The increasing demand for HPF from the transportation and medical industries is the major driver of the HPF market in Europe. The stringent environmental regulations implemented in the European region require vehicles to lower emissions. HPF provide a lightweight alternative for various conventional materials used in the construction of automotive components. This has led to the increased usage of HPF in the automotive industry to manufacture various interior, exterior, and under-the-hood components in the region.

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 HPF market, and information was gathered from secondary research to determine and verify the market size of several segments.

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

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

By Region: North America – 20%, Europe – 20%, APAC – 40%, South America- 10% , and

the Middle East & Africa –10%

The HPF market comprises major players such as Daikin (Japan), AGC Inc., (Japan), The Chemours Company (US), GFL Limited (India), Dongyue Group (China), 3M (US), Flourseals SpA (Italy), Hubei Everflon Polymer (China), Halopolymer (Russia), and Syensqo (Belgium). The study includes in-depth competitive analysis of these key players in the HPF market, with their company profiles, recent developments, and key market strategies.

### Research Coverage

This report segments the market for HPF market on the basis of type, form, application, 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, new product launches, expansions, and mergers & acquisition associated with the market for HPF 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 HPF market; high-growth regions; and market drivers, restraints, opportunities, and challenges.

The report provides insights on the following pointers:

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

**Analysis of drivers:** (high growth in end-use industries, robust growth of PV installation, and demand in emerging countries of Asia Pacific), restraints (higher

cost of high performance fluoropolymers than conventional materials, environmental sustainability, ), opportunities (emerging applications in construction & textile industry, emerging market for melt-processible fluoropolymers), and challenges (difficulty in processing high performance fluoropolymers, intense price competition from chinese manufacturers, use of reprocessed PTFE) influencing the growth of HPF market.

**Product Development/Innovation:** Detailed insights on upcoming technologies, research & development activities, and new product launches in the HPF market.

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

**Market Capacity:** Production capacities of companies producing HPF are provided wherever available with upcoming capacities for the HPF market.

**Competitive Assessment:** In-depth assessment of market shares, strategies, products, and manufacturing capabilities of leading players in the HPF market.

## Contents

### 1 INTRODUCTION

- 1.1 STUDY OBJECTIVES
- 1.2 MARKET DEFINITION
- 1.3 INCLUSIONS & EXCLUSIONS
- TABLE 1 HPF MARKET: INCLUSIONS & EXCLUSIONS
- 1.4 MARKET SCOPE
- FIGURE 1 HPF: MARKET SEGMENTATION
  - 1.4.1 REGIONS COVERED
  - 1.4.2 YEARS CONSIDERED
- 1.5 CURRENCY CONSIDERED
- 1.6 UNITS CONSIDERED
- 1.7 STAKEHOLDERS
- 1.8 SUMMARY OF CHANGES
- 1.9 IMPACT OF RECESSION

### 2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
- FIGURE 2 HPF MARKET: RESEARCH DESIGN
  - 2.1.1 SECONDARY DATA
    - 2.1.1.1 Key data from secondary sources
  - 2.1.2 PRIMARY DATA
    - 2.1.2.1 Key data from primary sources
- TABLE 2 PRIMARY INTERVIEWS: DEMAND AND SUPPLY SIDES
  - 2.1.2.2 Key industry insights
  - 2.1.2.3 Breakdown of primary interviews
- 2.2 MARKET SIZE ESTIMATION
  - 2.2.1 BOTTOM-UP APPROACH
  - FIGURE 3 HPF MARKET: BOTTOM-UP APPROACH
  - 2.2.2 TOP-DOWN APPROACH
  - FIGURE 4 HPF MARKET: TOP-DOWN APPROACH
  - FIGURE 5 MARKET SIZE ESTIMATION: APPROACH
- 2.3 DATA TRIANGULATION
- FIGURE 6 HPF MARKET: DATA TRIANGULATION
- 2.4 RESEARCH ASSUMPTIONS
- 2.5 GROWTH RATE ASSUMPTIONS/GROWTH FORECAST

- 2.5.1 SUPPLY SIDE
- 2.5.2 DEMAND SIDE
- 2.6 RESEARCH LIMITATIONS
- 2.7 RISK ASSESSMENT

### **3 EXECUTIVE SUMMARY**

- FIGURE 7 PTFE TYPE TO ACCOUNT FOR LARGEST MARKET SHARE IN 2029
- FIGURE 8 GRANULAR/SUSPENSION FORM TO BE WIDELY USED DURING FORECAST PERIOD
- FIGURE 9 ELECTRICAL & ELECTRONICS TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD
- FIGURE 10 ASIA PACIFIC TO RECORD HIGHEST GROWTH DURING FORECAST PERIOD

### **4 PREMIUM INSIGHTS**

- 4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN HPF MARKET
- FIGURE 11 RISING DEMAND FROM ASIA PACIFIC TO BOOST GROWTH
- 4.2 HPF MARKET, BY TYPE
- FIGURE 12 ETFE TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD
- 4.3 HPF MARKET, BY FORM
- FIGURE 13 GRANULAR/SUSPENSION FORM TO LEAD MARKET DURING FORECAST PERIOD
- 4.4 HPF MARKET, BY END-USE INDUSTRY
- FIGURE 14 TRANSPORTATION TO BE SECOND-LARGEST END-USE INDUSTRY FOR HPFS DURING FORECAST PERIOD
- 4.5 HPF MARKET, BY KEY COUNTRY
- FIGURE 15 INDIA TO RECORD HIGHEST CAGR DURING FORECAST PERIOD
- 4.6 ASIA PACIFIC HPF MARKET, BY END-USE INDUSTRY AND COUNTRY, 2023
- FIGURE 16 ELECTRICAL & ELECTRONICS INDUSTRY ACCOUNTED FOR LARGEST SHARE OF ASIA PACIFIC MARKET

### **5 MARKET OVERVIEW**

- 5.1 INTRODUCTION
- 5.2 MARKET DYNAMICS
- FIGURE 17 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES IN HPF MARKET

## 5.2.1 DRIVERS

5.2.1.1 Rapid growth across diverse end-use industries

TABLE 3 GROWING APPLICATIONS OF HPFS IN VARIOUS END-USE INDUSTRIES

TABLE 4 FUTURE GROWTH OPPORTUNITIES IN DIFFERENT END-USE INDUSTRIES

5.2.1.2 Surging demand for HPFs due to rapid growth in photovoltaic installations

5.2.1.3 Growing demand in emerging Asia Pacific economies

## 5.2.2 RESTRAINTS

5.2.2.1 Elevated pricing of HPF compared to conventional materials

5.2.2.2 Environmental sustainability concerns

## 5.2.3 OPPORTUNITIES

5.2.3.1 Growing demand for HPFs in construction and textile industries

5.2.3.2 Rapidly expanding global market for advanced melt-processable fluoropolymer applications

## 5.2.4 CHALLENGES

5.2.4.1 HPFs require high temperatures for processing

5.2.4.2 Aggressive price battles with manufacturers from China

5.2.4.3 Rise in use of reprocessed PTFE by various industries

TABLE 5 ALTERED KEY PROPERTIES OF FLUOROPOLYMERS WITH INCREASING PERCENTAGE OF REPROCESSED PTFE

## 5.3 PORTER'S FIVE FORCES ANALYSIS

FIGURE 18 HPF MARKET: PORTER'S FIVE FORCES ANALYSIS

5.3.1 BARGAINING POWER OF BUYERS

5.3.2 BARGAINING POWER OF SUPPLIERS

5.3.3 THREAT OF NEW ENTRANTS

5.3.4 THREAT OF SUBSTITUTES

5.3.5 INTENSITY OF COMPETITIVE RIVALRY

TABLE 6 HPF MARKET: PORTER'S FIVE FORCES ANALYSIS

## 5.4 MACROECONOMIC INDICATORS

5.4.1 GLOBAL GDP TRENDS

TABLE 7 PROJECTED REAL GDP GROWTH (ANNUAL PERCENT CHANGE) OF KEY COUNTRIES, 2021–2029

5.4.2 AUTOMOBILE PRODUCTION TRENDS

TABLE 8 AUTOMOBILE PRODUCTION IN KEY COUNTRIES, 2021–2023

5.4.2.1 EV production

TABLE 9 PROJECTED EV PRODUCTION IN KEY COUNTRIES, 2018–2023

## 5.5 KEY STAKEHOLDERS AND BUYING CRITERIA

5.5.1 KEY STAKEHOLDERS IN BUYING PROCESS

TABLE 10 INFLUENCE OF KEY STAKEHOLDERS ON BUYING PROCESS FOR TOP-

## THREE END-USE INDUSTRIES (%)

### 5.5.2 BUYING CRITERIA

#### FIGURE 19 KEY BUYING CRITERIA FOR TOP-THREE END-USE INDUSTRIES

## 5.6 VALUE CHAIN ANALYSIS

### 5.6.1 VALUE CHAIN OF HPFS

#### FIGURE 20 OVERVIEW OF HPF VALUE CHAIN

### 5.6.2 RAW MATERIAL SUPPLIERS

### 5.6.3 HPF MANUFACTURERS

### 5.6.4 COMPOUNDERS

### 5.6.5 PRODUCERS OF SEMI-FINISHED GOODS

### 5.6.6 OEMS

### 5.6.7 END USERS

## 5.7 ECOSYSTEM MAP

#### FIGURE 21 HPF MARKET: ECOSYSTEM MAP

#### TABLE 11 HPF MARKET: ECOSYSTEM

## 5.8 CASE STUDIES

### 5.8.1 OPTIMIZING CENTRIFUGAL FAN PERFORMANCE WITH DURABLE HALAR ECTFE COATING

### 5.8.2 ENHANCING MEDICAL APPLICATIONS WITH PTFE VALVE SOLUTIONS

### 5.8.3 EXTENDING PTFE COMPONENT LIFECYCLE IN FOOD PROCESSING EQUIPMENT

## 5.9 REGULATORY LANDSCAPE

### 5.9.1 REGULATIONS

#### 5.9.1.1 Europe

#### 5.9.1.2 Asia Pacific

#### 5.9.1.3 North America

### 5.9.2 STANDARDS

#### 5.9.2.1 IATF 16949

#### 5.9.2.2 ISO 22000

#### 5.9.2.3 ISO 17664-1:2021

### 5.9.3 REGULATORY BODIES, GOVERNMENT BODIES, AND OTHER AGENCIES

#### TABLE 12 EUROPE: REGULATORY BODIES, GOVERNMENT BODIES, AND OTHER AGENCIES

#### TABLE 13 ASIA PACIFIC: REGULATORY BODIES, GOVERNMENT BODIES, AND OTHER AGENCIES

#### TABLE 14 AFRICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER AGENCIES

#### TABLE 15 NORTH AMERICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER AGENCIES



## 5.10 TECHNOLOGY ANALYSIS

### 5.10.1 KEY TECHNOLOGIES

5.10.1.1 Powering future by using HPFs in 5G networks and electric vehicles

### 5.10.2 COMPLEMENTARY TECHNOLOGIES

5.10.2.1 Innovation in electronic design using HPFs

### 5.10.3 ADJACENT TECHNOLOGIES

5.10.3.1 HPF in enabling clean energy transition

## 5.11 TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS

FIGURE 22 GROWING DEMAND FOR RENEWABLE ENERGY INFLUENCING HPF MARKET

## 5.12 TRADE ANALYSIS

### 5.12.1 IMPORT TRADE DATA OF PTFE

TABLE 16 IMPORT TRADE DATA OF PTFE FOR TOP COUNTRIES, 2020–2023 (USD THOUSAND)

### 5.12.2 EXPORT TRADE DATA OF PTFE

TABLE 17 EXPORT TRADE DATA OF PTFE FOR TOP COUNTRIES, 2020–2023 (USD THOUSAND)

### 5.12.3 IMPORT TRADE DATA

TABLE 18 IMPORT TRADE DATA FOR TOP COUNTRIES, 2020–2023 (USD THOUSAND)

### 5.12.4 EXPORT TRADE DATA

TABLE 19 EXPORT TRADE DATA FOR TOP COUNTRIES, 2020–2023 (USD THOUSAND)

## 5.13 KEY CONFERENCES & EVENTS IN 2024–2025

TABLE 20 HPF MARKET: KEY CONFERENCES & EVENTS, 2024–2025

## 5.14 PRICING ANALYSIS

### 5.14.1 AVERAGE SELLING PRICE, BY REGION

FIGURE 23 AVERAGE SELLING PRICE TREND, BY REGION, USD/KG

### 5.14.2 AVERAGE SELLING PRICES, BY TYPE

TABLE 21 AVERAGE SELLING PRICES, BY TYPE, USD/KG

### 5.14.3 AVERAGE SELLING PRICES, BY END-USE INDUSTRY

TABLE 22 AVERAGE SELLING PRICES, BY END-USE INDUSTRY (USD/KG)

### 5.14.4 AVERAGE SELLING PRICES, BY APPLICATION/COMPANY

TABLE 23 AVERAGE SELLING PRICES, BY APPLICATION/COMPANY (USD/KG)

## 5.15 INVESTMENT AND FUNDING SCENARIO

## 5.16 PATENT ANALYSIS

### 5.16.1 INTRODUCTION

### 5.16.2 METHODOLOGY

### 5.16.3 DOCUMENT TYPE

TABLE 24 TOTAL NUMBER OF PATENTS

FIGURE 24 TOTAL NUMBER OF PATENTS

5.16.4 PUBLICATION TRENDS, LAST 10 YEARS (2013–2023)

FIGURE 25 NUMBER OF PATENTS YEAR–WISE FROM 2013 TO 2023

5.16.5 INSIGHTS

5.16.6 LEGAL STATUS OF PATENTS

FIGURE 26 PATENT ANALYSIS, BY LEGAL STATUS

5.16.7 JURISDICTION ANALYSIS

FIGURE 27 TOP JURISDICTION, BY DOCUMENT

5.16.8 TOP COMPANIES/APPLICANTS

FIGURE 28 TOP 10 COMPANIES/APPLICANTS WITH HIGHEST NUMBER OF PATENTS

TABLE 25 PATENTS BY 3M INNOVATIVE PROPERTIES COMPANY

TABLE 26 PATENTS BY ACUSHNET COMPANY

TABLE 27 PATENTS BY SABIC GLOBAL TECHNOLOGIES

5.16.9 TOP 10 PATENT OWNERS (US) IN LAST 10 YEARS

TABLE 28 TOP TEN PATENT OWNERS

5.17 RAW MATERIAL/COMPONENT ANALYSIS

5.17.1 FLUORSPAR

5.17.2 ETHYLENE

5.17.3 TERTRAFLUOROETHYLENE

## **6 HPF MARKET, BY TYPE**

6.1 INTRODUCTION

FIGURE 29 PTFE TO BE LARGEST TYPE IN OVERALL HPF MARKET

TABLE 29 HPF MARKET, BY TYPE, 2021–2023 (KILOTON)

TABLE 30 HPF MARKET, BY TYPE, 2021–2023 (USD MILLION)

TABLE 31 HPF MARKET, BY TYPE, 2024–2029 (KILOTON)

TABLE 32 HPF MARKET, BY TYPE, 2024–2029 (USD MILLION)

6.2 PTFE

6.2.1 INCREASING UTILIZATION ACROSS DIVERSE END-USE INDUSTRIES TO PROPEL SEGMENT

6.3 FEP

6.3.1 MELT PROCESSIBILITY AND ANTI-CORROSION PROPERTIES TO DRIVE MARKET GROWTH

6.4 PFA/MFA

6.4.1 EXCELLENT THERMAL STABILITY AND CHEMICAL RESISTANCE PROPERTIES TO DRIVE MARKET

## 6.5 ETFE

### 6.5.1 INCREASING USE OF ETFE TO DRIVE MARKET

## 6.6 OTHER TYPES

# 7 HPF MARKET, BY FORM

## 7.1 INTRODUCTION

FIGURE 30 GRANULAR/SUSPENSION TO BE LARGEST SEGMENT IN OVERALL HPF MARKET

TABLE 33 HPF MARKET, BY FORM, 2021–2023 (KILOTON)

TABLE 34 HPF MARKET, BY FORM, 2021–2023 (USD MILLION)

TABLE 35 HPF MARKET, BY FORM, 2024–2029 (KILOTON)

TABLE 36 HPF MARKET, BY FORM, 2024–2029 (USD MILLION)

## 7.2 GRANULAR/SUSPENSION

### 7.2.1 LARGER USE IN DIVERSE SET OF APPLICATIONS TO DRIVE MARKET

## 7.3 FINE POWDER & DISPERSION

### 7.3.1 AVAILABILITY OF VARIOUS GRADES TO BOOST DEMAND

## 7.4 FINE POWDER/COAGULATED DISPERSIONS

7.4.1 SUITABILITY IN MANUFACTURING VARIOUS PRODUCTS TO PROPEL MARKET

## 7.5 AQUEOUS DISPERSIONS

### 7.5.1 ABILITY TO WITHSTAND EXTREME CONDITIONS TO DRIVE MARKET

## 7.6 MICROPOWDER

### 7.6.1 ADVANTAGES OVER CONVENTIONAL FORMS TO BOOST MARKET

# 8 HPF MARKET, BY END-USE INDUSTRY

## 8.1 INTRODUCTION

FIGURE 31 ELECTRICAL & ELECTRONICS TO BE LARGEST END-USE INDUSTRY OF HPF MARKET

TABLE 37 HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (KILOTON)

TABLE 38 HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD MILLION)

TABLE 39 HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (KILOTON)

TABLE 40 HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD MILLION)

## 8.2 ELECTRICAL & ELECTRONICS

### 8.2.1 TELECOMMUNICATION

#### 8.2.1.1 Wire & cable consumption in telecom industries to boost HPF demand

### 8.2.2 SEMICONDUCTORS

#### 8.2.2.1 Surging demand for HPF films in semiconductor coating applications to drive

market

### 8.2.3 ELECTRONIC COMPONENTS

8.2.3.1 Growing adoption of HPF coatings in electronics to drive market

### 8.2.4 DEFENSE ELECTRONICS

8.2.4.1 Rising defense project investments to drive HPF demand

## 8.3 INDUSTRIAL PROCESSING

### 8.3.1 CHEMICAL PROCESSING

8.3.1.1 Chemical resistance to increase HPF demand

### 8.3.2 OIL & GAS

8.3.2.1 High consumption of seals, gaskets, encapsulation, power cables, and tubing to propel market

### 8.3.3 POWER PLANTS

8.3.3.1 High growth opportunities in renewable energy to drive market

### 8.3.4 WATER TREATMENT

8.3.4.1 Expansion in emerging markets to boost demand

### 8.3.5 FOOD PROCESSING

8.3.5.1 High chemical and heat resistance of HPF to boost demand in food

processing industry

## 8.4 TRANSPORTATION

### 8.4.1 AUTOMOTIVE

8.4.1.1 Growth in production of automobiles and rising demand for EVs to drive market

### 8.4.2 AEROSPACE

8.4.2.1 Rise in production of aircraft in Europe and North America to drive demand for HPFs

## 8.5 MEDICAL

### 8.5.1 MEDICAL DEVICES

8.5.1.1 Increased consumption of prostheses to boost consumption of HPFs

### 8.5.2 PHARMACEUTICAL & BIOTECHNOLOGY

8.5.2.1 Chemical stability of HPFs to drive market in pharmaceutical applications

## 8.6 OTHER END-USE INDUSTRIES

### 8.6.1 BUILDING & CONSTRUCTION

### 8.6.2 CONSUMER HOUSEHOLD

## 9 HPF MARKET, BY APPLICATION

### 9.1 INTRODUCTION

FIGURE 32 COATINGS & LINERS TO BE LARGEST APPLICATION IN OVERALL HPF MARKET

TABLE 41 HPF MARKET, BY APPLICATION, 2021–2023 (KILOTON)

TABLE 42 HPF MARKET, BY APPLICATION, 2021–2023 (USD MILLION)

TABLE 43 HPF MARKET, BY APPLICATION, 2024–2029 (KILOTON)

TABLE 44 HPF MARKET, BY APPLICATION, 2024–2029 (USD MILLION)

## 9.2 COATINGS & LINERS

9.2.1 INCREASING DEMAND FROM DIVERSE INDUSTRIES TO BOOST HPF COATINGS & LINERS MARKET

## 9.3 COMPONENTS

9.3.1 MELT-PROCESSABILITY AND HIGH CHEMICAL INERTNESS TO DRIVE MARKET

## 9.4 FILMS

9.4.1 GROWTH OF CONSTRUCTION AND BUSINESS INDUSTRIES TO FUEL DEMAND FOR HPF FILMS

## 9.5 ADDITIVES

9.5.1 INCREASING DEMAND FROM VARIOUS REGIONS TO DRIVE MARKET

## 9.6 OTHER APPLICATIONS

# 10 HPF MARKET, BY REGION

## 10.1 INTRODUCTION

FIGURE 33 HPF MARKET IN INDIA TO REGISTER HIGHEST CAGR, BY VOLUME

TABLE 45 HPF MARKET, BY REGION, 2021–2023 (KILOTON)

TABLE 46 HPF MARKET, BY REGION, 2021–2023 (USD MILLION)

TABLE 47 HPF MARKET, BY REGION, 2024–2029 (KILOTON)

TABLE 48 HPF MARKET, BY REGION, 2024–2029 (USD MILLION)

## 10.2 NORTH AMERICA

### 10.2.1 IMPACT OF RECESSION

FIGURE 34 NORTH AMERICA: HPF MARKET SNAPSHOT

TABLE 49 NORTH AMERICA: HPF MARKET, BY COUNTRY, 2021–2023 (KILOTON)

TABLE 50 NORTH AMERICA: HPF MARKET, BY COUNTRY, 2021–2023 (USD MILLION)

TABLE 51 NORTH AMERICA: HPF MARKET, BY COUNTRY, 2024–2029 (KILOTON)

TABLE 52 NORTH AMERICA: HPF MARKET, BY COUNTRY, 2024–2029 (USD MILLION)

TABLE 53 NORTH AMERICA: HPF MARKET, BY TYPE, 2021–2023 (KILOTON)

TABLE 54 NORTH AMERICA: HPF MARKET, BY TYPE, 2021–2023 (USD MILLION)

TABLE 55 NORTH AMERICA: HPF MARKET, BY TYPE, 2024–2029 (KILOTON)

TABLE 56 NORTH AMERICA: HPF MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 57 NORTH AMERICA: HPF MARKET, BY FORM, 2021–2023 (KILOTON)

TABLE 58 NORTH AMERICA: HPF MARKET, BY FORM, 2021–2023 (USD MILLION)

TABLE 59 NORTH AMERICA: HPF MARKET, BY FORM, 2024–2029 (KILOTON)

TABLE 60 NORTH AMERICA: HPF MARKET, BY FORM, 2024–2029 (USD MILLION)

TABLE 61 NORTH AMERICA: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (KILOTON)

TABLE 62 NORTH AMERICA: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD MILLION)

TABLE 63 NORTH AMERICA: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (KILOTON)

TABLE 64 NORTH AMERICA: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD MILLION)

TABLE 65 NORTH AMERICA: HPF MARKET, BY APPLICATION, 2021–2023 (KILOTON)

TABLE 66 NORTH AMERICA: HPF MARKET, BY APPLICATION, 2021–2023 (USD MILLION)

TABLE 67 NORTH AMERICA: HPF MARKET, BY APPLICATION, 2024–2029 (KILOTON)

TABLE 68 NORTH AMERICA: HPF MARKET, BY APPLICATION, 2024–2029 (USD MILLION)

#### 10.2.2 US

##### 10.2.2.1 High growth of major end-use industries to drive market

TABLE 69 US: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (KILOTON)

TABLE 70 US: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD MILLION)

TABLE 71 US: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (KILOTON)

TABLE 72 US: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD MILLION)

#### 10.2.3 CANADA

##### 10.2.3.1 Diversified industrial sector to boost market

TABLE 73 CANADA: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (KILOTON)

TABLE 74 CANADA: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD MILLION)

TABLE 75 CANADA: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (KILOTON)

TABLE 76 CANADA: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD MILLION)

#### 10.2.4 MEXICO

##### 10.2.4.1 Rise in OEM manufacturing to drive market

TABLE 77 MEXICO: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (KILOTON)

TABLE 78 MEXICO: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD MILLION)

TABLE 79 MEXICO: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (KILOTON)

TABLE 80 MEXICO: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD MILLION)

### 10.3 ASIA PACIFIC

#### 10.3.1 IMPACT OF RECESSION

FIGURE 35 ASIA PACIFIC: HPF MARKET SNAPSHOT

TABLE 81 ASIA PACIFIC: HPF MARKET, BY COUNTRY, 2021–2023 (KILOTON)

TABLE 82 ASIA PACIFIC: HPF MARKET, BY COUNTRY, 2021–2023 (USD MILLION)

TABLE 83 ASIA PACIFIC: HPF MARKET, BY COUNTRY, 2024–2029 (KILOTON)

TABLE 84 ASIA PACIFIC: HPF MARKET, BY COUNTRY, 2024–2029 (USD MILLION)

TABLE 85 ASIA PACIFIC: HPF MARKET, BY TYPE, 2021–2023 (KILOTON)

TABLE 86 ASIA PACIFIC: HPF MARKET, BY TYPE, 2021–2023 (USD MILLION)

TABLE 87 ASIA PACIFIC: HPF MARKET, BY TYPE, 2024–2029 (KILOTON)

TABLE 88 ASIA PACIFIC: HPF MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 89 ASIA PACIFIC: HPF MARKET, BY FORM, 2021–2023 (KILOTON)

TABLE 90 ASIA PACIFIC: HPF MARKET, BY FORM, 2021–2023 (USD MILLION)

TABLE 91 ASIA PACIFIC: HPF MARKET, BY FORM, 2024–2029 (KILOTON)

TABLE 92 ASIA PACIFIC: HPF MARKET, BY FORM, 2024–2029 (USD MILLION)

TABLE 93 ASIA PACIFIC: HPF MARKET, BY APPLICATION, 2021–2023 (KILOTON)

TABLE 94 ASIA PACIFIC: HPF MARKET, BY APPLICATION, 2021–2023 (USD MILLION)

TABLE 95 ASIA PACIFIC: HPF MARKET, BY APPLICATION, 2024–2029 (KILOTON)

TABLE 96 ASIA PACIFIC: HPF MARKET, BY APPLICATION, 2024–2029 (USD MILLION)

TABLE 97 ASIA PACIFIC: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (KILOTON)

TABLE 98 ASIA PACIFIC: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD MILLION)

TABLE 99 ASIA PACIFIC: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (KILOTON)

TABLE 100 ASIA PACIFIC: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD MILLION)

#### 10.3.2 CHINA

##### 10.3.2.1 Presence of huge industrial base to drive market

TABLE 101 CHINA: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (KILOTON)

TABLE 102 CHINA: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD MILLION)

TABLE 103 CHINA: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (KILOTON)

TABLE 104 CHINA: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD MILLION)

### 10.3.3 JAPAN

#### 10.3.3.1 Electronics industry growth to boost demand for HPFs

TABLE 105 JAPAN: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (KILOTON)

TABLE 106 JAPAN: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD MILLION)

TABLE 107 JAPAN: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (KILOTON)

TABLE 108 JAPAN: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD MILLION)

### 10.3.4 SOUTH KOREA

#### 10.3.4.1 Increase in exports to propel demand for HPFs

TABLE 109 SOUTH KOREA: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (KILOTON)

TABLE 110 SOUTH KOREA: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD MILLION)

TABLE 111 SOUTH KOREA: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (KILOTON)

TABLE 112 SOUTH KOREA: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD MILLION)

### 10.3.5 INDIA

#### 10.3.5.1 Increasing demand for PTFE to drive market

TABLE 113 INDIA: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (KILOTON)

TABLE 114 INDIA: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD MILLION)

TABLE 115 INDIA: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (KILOTON)

TABLE 116 INDIA: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD MILLION)

### 10.3.6 AUSTRALIA

#### 10.3.6.1 Increasing investments to create demand for HPF coatings

TABLE 117 AUSTRALIA: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (KILOTON)

TABLE 118 AUSTRALIA: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD MILLION)

TABLE 119 AUSTRALIA: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (KILOTON)

TABLE 120 AUSTRALIA: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD MILLION)

### 10.3.7 TAIWAN

#### 10.3.7.1 HPF market to boom amid rising demand across industries

TABLE 121 TAIWAN: HPF MARKET, BY END-USE INDUSTRY, 2021–2023



(KILOTON)

TABLE 122 TAIWAN: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD MILLION)

TABLE 123 TAIWAN: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (KILOTON)

TABLE 124 TAIWAN: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD MILLION)

#### 10.3.8 INDONESIA

10.3.8.1 Growing demand in electronics and automotive industries to drive market

TABLE 125 INDONESIA: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (KILOTON)

TABLE 126 INDONESIA: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD MILLION)

TABLE 127 INDONESIA: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (KILOTON)

TABLE 128 INDONESIA: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD MILLION)

#### 10.3.9 REST OF ASIA PACIFIC

TABLE 129 REST OF ASIA PACIFIC: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (KILOTON)

TABLE 130 REST OF ASIA PACIFIC: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD MILLION)

TABLE 131 REST OF ASIA PACIFIC: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (KILOTON)

TABLE 132 REST OF ASIA PACIFIC: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD MILLION)

#### 10.4 EUROPE

##### 10.4.1 IMPACT OF RECESSION

TABLE 133 EUROPE: HPF MARKET, BY COUNTRY, 2021–2023 (KILOTON)

TABLE 134 EUROPE: HPF MARKET, BY COUNTRY, 2021–2023 (USD MILLION)

TABLE 135 EUROPE: HPF MARKET, BY COUNTRY, 2024–2029 (KILOTON)

TABLE 136 EUROPE: HPF MARKET, BY COUNTRY, 2024–2029 (USD MILLION)

TABLE 137 EUROPE: HPF MARKET, BY TYPE, 2021–2023 (KILOTON)

TABLE 138 EUROPE: HPF MARKET, BY TYPE, 2021–2023 (USD MILLION)

TABLE 139 EUROPE: HPF MARKET, BY TYPE, 2024–2029 (KILOTON)

TABLE 140 EUROPE: HPF MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 141 EUROPE: HPF MARKET, BY FORM, 2021–2023 (KILOTON)

TABLE 142 EUROPE: HPF MARKET, BY FORM, 2021–2023 (USD MILLION)

TABLE 143 EUROPE: HPF MARKET, BY FORM, 2024–2029 (KILOTON)

TABLE 144 EUROPE: HPF MARKET, BY FORM, 2024–2029 (USD MILLION)

TABLE 145 EUROPE: HPF MARKET, BY APPLICATION, 2021–2023 (KILOTON)

TABLE 146 EUROPE: HPF MARKET, BY APPLICATION, 2021–2023 (USD MILLION)

TABLE 147 EUROPE: HPF MARKET, BY APPLICATION, 2024–2029 (KILOTON)

TABLE 148 EUROPE: HPF MARKET, BY APPLICATION, 2024–2029 (USD MILLION)

TABLE 149 EUROPE: HPF MARKET, BY END-USE INDUSTRY, 2021–2023  
(KILOTON)

TABLE 150 EUROPE: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD  
MILLION)

TABLE 151 EUROPE: HPF MARKET, BY END-USE INDUSTRY, 2024–2029  
(KILOTON)

TABLE 152 EUROPE: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD  
MILLION)

#### 10.4.2 GERMANY

10.4.2.1 Constant innovations in major end-use industries to fuel market

TABLE 153 GERMANY: HPF MARKET, BY END-USE INDUSTRY, 2021–2023  
(KILOTON)

TABLE 154 GERMANY: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD  
MILLION)

TABLE 155 GERMANY: HPF MARKET, BY END-USE INDUSTRY, 2024–2029  
(KILOTON)

TABLE 156 GERMANY: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD  
MILLION)

#### 10.4.3 FRANCE

10.4.3.1 Foreign investments to boost construction industry growth

TABLE 157 FRANCE: HPF MARKET, BY END-USE INDUSTRY, 2021–2023  
(KILOTON)

TABLE 158 FRANCE: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD  
MILLION)

TABLE 159 FRANCE: HPF MARKET, BY END-USE INDUSTRY, 2024–2029  
(KILOTON)

TABLE 160 FRANCE: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD  
MILLION)

#### 10.4.4 UK

10.4.4.1 Energy transition to be key factor supporting market growth

TABLE 161 UK: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (KILOTON)

TABLE 162 UK: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD MILLION)

TABLE 163 UK: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (KILOTON)

TABLE 164 UK: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD MILLION)

#### 10.4.5 ITALY

10.4.5.1 Transportation to be among major consumers of HPFs

TABLE 165 ITALY: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (KILOTON)

TABLE 166 ITALY: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD MILLION)

TABLE 167 ITALY: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (KILOTON)

TABLE 168 ITALY: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD MILLION)

#### 10.4.6 SPAIN

10.4.6.1 Growing domestic demand and rising exports of automobiles to drive market

TABLE 169 SPAIN: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (KILOTON)

TABLE 170 SPAIN: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD MILLION)

TABLE 171 SPAIN: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (KILOTON)

TABLE 172 SPAIN: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD MILLION)

#### 10.4.7 RUSSIA

10.4.7.1 Rising demand for medical devices and equipment to drive market

TABLE 173 RUSSIA: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (KILOTON)

TABLE 174 RUSSIA: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD MILLION)

TABLE 175 RUSSIA: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (KILOTON)

TABLE 176 RUSSIA: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD MILLION)

#### 10.4.8 REST OF EUROPE

TABLE 177 REST OF EUROPE: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (KILOTON)

TABLE 178 REST OF EUROPE: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD MILLION)

TABLE 179 REST OF EUROPE: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (KILOTON)

TABLE 180 REST OF EUROPE: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD MILLION)

#### 10.5 MIDDLE EAST & AFRICA

##### 10.5.1 IMPACT OF RECESSION

TABLE 181 MIDDLE EAST & AFRICA: HPF MARKET, BY COUNTRY, 2021–2023 (KILOTON)

TABLE 182 MIDDLE EAST & AFRICA: HPF MARKET, BY COUNTRY, 2021–2023  
(USD MILLION)

TABLE 183 MIDDLE EAST & AFRICA: HPF MARKET, BY COUNTRY, 2024–2029  
(KILOTON)

TABLE 184 MIDDLE EAST & AFRICA: HPF MARKET, BY COUNTRY, 2024–2029  
(USD MILLION)

TABLE 185 MIDDLE EAST & AFRICA: HPF MARKET, BY TYPE, 2021–2023  
(KILOTON)

TABLE 186 MIDDLE EAST & AFRICA: HPF MARKET, BY TYPE, 2021–2023 (USD  
MILLION)

TABLE 187 MIDDLE EAST & AFRICA: HPF MARKET, BY TYPE, 2024–2029  
(KILOTON)

TABLE 188 MIDDLE EAST & AFRICA: HPF MARKET, BY TYPE, 2024–2029 (USD  
MILLION)

TABLE 189 MIDDLE EAST & AFRICA: HPF MARKET, BY FORM, 2021–2023  
(KILOTON)

TABLE 190 MIDDLE EAST & AFRICA: HPF MARKET, BY FORM, 2021–2023 (USD  
MILLION)

TABLE 191 MIDDLE EAST & AFRICA: HPF MARKET, BY FORM, 2024–2029  
(KILOTON)

TABLE 192 MIDDLE EAST & AFRICA: HPF MARKET, BY FORM, 2024–2029 (USD  
MILLION)

TABLE 193 MIDDLE EAST & AFRICA: HPF MARKET, BY APPLICATION, 2021–2023  
(KILOTON)

TABLE 194 MIDDLE EAST & AFRICA: HPF MARKET, BY APPLICATION, 2021–2023  
(USD MILLION)

TABLE 195 MIDDLE EAST & AFRICA: HPF MARKET, BY APPLICATION, 2024–2029  
(KILOTON)

TABLE 196 MIDDLE EAST & AFRICA: HPF MARKET, BY APPLICATION, 2024–2029  
(USD MILLION)

TABLE 197 MIDDLE EAST & AFRICA: HPF MARKET, BY END-USE INDUSTRY,  
2021–2023 (KILOTON)

TABLE 198 MIDDLE EAST & AFRICA: HPF MARKET, BY END-USE INDUSTRY,  
2021–2023 (USD MILLION)

TABLE 199 MIDDLE EAST & AFRICA: HPF MARKET, BY END-USE INDUSTRY,  
2024–2029 (KILOTON)

TABLE 200 MIDDLE EAST & AFRICA: HPF MARKET, BY END-USE INDUSTRY,  
2024–2029 (USD MILLION)

#### 10.5.2 GCC COUNTRIES

### 10.5.2.1 Saudi Arabia

10.5.2.1.1 Government initiatives for economic diversification to boost consumption

TABLE 201 SAUDI ARABIA: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (KILOTON)

TABLE 202 SAUDI ARABIA: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD MILLION)

TABLE 203 SAUDI ARABIA: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (KILOTON)

TABLE 204 SAUDI ARABIA: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD MILLION)

### 10.5.2.2 UAE

10.5.2.2.1 Increasing demand from end-use industries to lead to significant growth

TABLE 205 UAE: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (KILOTON)

TABLE 206 UAE: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD MILLION)

TABLE 207 UAE: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (KILOTON)

TABLE 208 UAE: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD MILLION)

### 10.5.2.3 Rest of GCC

TABLE 209 REST OF GCC: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (KILOTON)

TABLE 210 REST OF GCC: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD MILLION)

TABLE 211 REST OF GCC: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (KILOTON)

TABLE 212 REST OF GCC: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD MILLION)

### 10.5.3 SOUTH AFRICA

10.5.3.1 Automotive industry to contribute to significant rise in demand for HPFs

TABLE 213 SOUTH AFRICA: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (KILOTON)

TABLE 214 SOUTH AFRICA: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD MILLION)

TABLE 215 SOUTH AFRICA: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (KILOTON)

TABLE 216 SOUTH AFRICA: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD MILLION)

### 10.5.4 REST OF MIDDLE EAST & AFRICA

TABLE 217 REST OF MIDDLE EAST & AFRICA: HPF MARKET, BY END-USE

INDUSTRY, 2021–2023 (KILOTON)

TABLE 218 REST OF MIDDLE EAST & AFRICA: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD MILLION)

TABLE 219 REST OF MIDDLE EAST & AFRICA: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (KILOTON)

TABLE 220 REST OF MIDDLE EAST & AFRICA: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD MILLION)

## 10.6 SOUTH AMERICA

### 10.6.1 IMPACT OF RECESSION

TABLE 221 SOUTH AMERICA: HPF MARKET, BY COUNTRY, 2021–2023 (KILOTON)

TABLE 222 SOUTH AMERICA: HPF MARKET, BY COUNTRY, 2021–2023 (USD MILLION)

TABLE 223 SOUTH AMERICA: HPF MARKET, BY COUNTRY, 2024–2029 (KILOTON)

TABLE 224 SOUTH AMERICA: HPF MARKET, BY COUNTRY, 2024–2029 (USD MILLION)

TABLE 225 SOUTH AMERICA: HPF MARKET, BY TYPE, 2021–2023 (KILOTON)

TABLE 226 SOUTH AMERICA: HPF MARKET, BY TYPE, 2021–2023 (USD MILLION)

TABLE 227 SOUTH AMERICA: HPF MARKET, BY TYPE, 2024–2029 (KILOTON)

TABLE 228 SOUTH AMERICA: HPF MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 229 SOUTH AMERICA: HPF MARKET, BY FORM, 2021–2023 (KILOTON)

TABLE 230 SOUTH AMERICA: HPF MARKET, BY FORM, 2021–2023 (USD MILLION)

TABLE 231 SOUTH AMERICA: HPF MARKET, BY FORM, 2024–2029 (KILOTON)

TABLE 232 SOUTH AMERICA: HPF MARKET, BY FORM, 2024–2029 (USD MILLION)

TABLE 233 SOUTH AMERICA: HPF MARKET, BY APPLICATION, 2021–2023 (KILOTON)

TABLE 234 SOUTH AMERICA: HPF MARKET, BY APPLICATION, 2021–2023 (USD MILLION)

TABLE 235 SOUTH AMERICA: HPF MARKET, BY APPLICATION, 2024–2029 (KILOTON)

TABLE 236 SOUTH AMERICA: HPF MARKET, BY APPLICATION, 2024–2029 (USD MILLION)

TABLE 237 SOUTH AMERICA: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (KILOTON)

TABLE 238 SOUTH AMERICA: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD MILLION)

TABLE 239 SOUTH AMERICA: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (KILOTON)

TABLE 240 SOUTH AMERICA: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD MILLION)

## 10.6.2 BRAZIL

10.6.2.1 Expanding renewable energy projects and oil & gas exploration to increase use of HPFs

TABLE 241 BRAZIL: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (KILOTON)

TABLE 242 BRAZIL: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD MILLION)

TABLE 243 BRAZIL: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (KILOTON)

TABLE 244 BRAZIL: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD MILLION)

## 10.6.3 ARGENTINA

10.6.3.1 Increased renewable energy investments to propel HPF demand

TABLE 245 ARGENTINA: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (KILOTON)

TABLE 246 ARGENTINA: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD MILLION)

TABLE 247 ARGENTINA: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (KILOTON)

TABLE 248 ARGENTINA: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD MILLION)

## 10.6.4 REST OF SOUTH AMERICA

TABLE 249 REST OF SOUTH AMERICA: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (KILOTON)

TABLE 250 REST OF SOUTH AMERICA: HPF MARKET, BY END-USE INDUSTRY, 2021–2023 (USD MILLION)

TABLE 251 REST OF SOUTH AMERICA: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (KILOTON)

TABLE 252 REST OF SOUTH AMERICA: HPF MARKET, BY END-USE INDUSTRY, 2024–2029 (USD MILLION)

# 11 COMPETITIVE LANDSCAPE

## 11.1 KEY PLAYER STRATEGIES/RIGHT TO WIN

11.1.1 OVERVIEW OF STRATEGIES ADOPTED BY HPF VENDORS

FIGURE 36 OVERVIEW OF STRATEGIES ADOPTED BY KEY PLAYERS IN HPF MARKET BETWEEN 2018 AND 2023

## 11.2 REVENUE ANALYSIS

FIGURE 37 REVENUE ANALYSIS OF KEY COMPANIES IN HPF MARKET, 2023

## 11.3 MARKET SHARE ANALYSIS

FIGURE 38 SHARES OF LEADING COMPANIES IN HPF MARKET, 2023

**TABLE 253 HPF MARKET: DEGREE OF COMPETITION****11.3.1 MARKET RANKING ANALYSIS****FIGURE 39 RANKING OF KEY PLAYERS IN HPF MARKET, 2023****11.4 COMPANY VALUATION AND FINANCIAL METRICS****FIGURE 40 COMPANY VALUATION OF LEADING COMPANIES IN HPF MARKET, 2023****FIGURE 41 FINANCIAL METRICS OF LEADING COMPANIES IN HPF MARKET, 2023****11.5 BRAND/PRODUCT COMPARISON****FIGURE 42 HPF MARKET: BRAND/PRODUCT COMPARISON****11.6 COMPANY EVALUATION MATRIX: KEY PLAYERS, 2023****11.6.1 STARS****11.6.2 EMERGING LEADERS****11.6.3 PERVASIVE PLAYERS****11.6.4 PARTICIPANTS****FIGURE 43 HPF MARKET: COMPANY EVALUATION MATRIX (KEY PLAYERS), 2023****11.6.5 COMPANY FOOTPRINT: KEY PLAYERS, 2023****11.6.5.1 Type footprint****TABLE 254 HPF MARKET: TYPE FOOTPRINT****11.6.5.2 End-use industry footprint****TABLE 255 HPF MARKET: END-USE INDUSTRY FOOTPRINT****11.6.5.3 Region footprint****TABLE 256 HPF MARKET: REGION FOOTPRINT****11.6.5.4 Form footprint****TABLE 257 HPF MARKET: FORM FOOTPRINT****11.6.5.5 Application footprint****TABLE 258 HPF MARKET: APPLICATION FOOTPRINT****11.6.5.6 Company footprint****FIGURE 44 HPF MARKET: COMPANY OVERALL FOOTPRINT****11.7 COMPANY EVALUATION MATRIX: STARTUPS/SMES, 2023****11.7.1 PROGRESSIVE COMPANIES****11.7.2 RESPONSIVE COMPANIES****11.7.3 DYNAMIC COMPANIES****11.7.4 STARTING BLOCKS****FIGURE 45 HPF MARKET: COMPANY EVALUATION MATRIX (STARTUPS/SMES), 2023****11.7.5 COMPETITIVE BENCHMARKING OF STARTUPS/SMES, 2023****TABLE 259 HPF MARKET: KEY STARTUPS/SMES****TABLE 260 HPF MARKET: COMPETITIVE BENCHMARKING OF STARTUPS/SMES****11.8 COMPETITIVE SCENARIO**



### 11.8.1 EXPANSIONS

TABLE 261 HPF MARKET: EXPANSIONS, MAY 2018– DECEMBER 2023

## 12 COMPANY PROFILES

(Business overview, Products offered, Recent Developments, MnM view, Key strengths, Strategic choices, Weaknesses and competitive threats) \*

### 12.1 KEY PLAYERS

#### 12.1.1 DAIKIN INDUSTRIES, LTD.

TABLE 262 DAIKIN INDUSTRIES, LTD.: COMPANY OVERVIEW

FIGURE 46 DAIKIN INDUSTRIES, LTD.: COMPANY SNAPSHOT

TABLE 263 DAIKIN INDUSTRIES: PRODUCTS OFFERED

TABLE 264 HPF MARKET: EXPANSIONS, JANUARY 2019–DECEMBER 2023

#### 12.1.2 AGC INC.

TABLE 265 AGC, INC.: COMPANY OVERVIEW

FIGURE 47 AGC INC.: COMPANY SNAPSHOT

TABLE 266 AGC INC.: PRODUCTS OFFERED

TABLE 267 AGC INC.: HPF MARKET: EXPANSIONS, JANUARY 2019–DECEMBER 2023

#### 12.1.3 THE CHEMOURS COMPANY

TABLE 268 THE CHEMOURS COMPANY: COMPANY OVERVIEW

FIGURE 48 THE CHEMOURS COMPANY: COMPANY SNAPSHOT

TABLE 269 THE CHEMOURS COMPANY: PRODUCTS OFFERED

#### 12.1.4 GFL LIMITED

TABLE 270 GFL LIMITED: COMPANY OVERVIEW

FIGURE 49 GFL LIMITED: COMPANY SNAPSHOT

TABLE 271 GFL LIMITED: PRODUCTS OFFERED

#### 12.1.5 DONGYUE GROUP

TABLE 272 DONGYUE GROUP: COMPANY OVERVIEW

FIGURE 50 DONGYUE GROUP: COMPANY SNAPSHOT

TABLE 273 DONGYUE GROUP: PRODUCTS OFFERED

#### 12.1.6 3M

TABLE 274 3M: COMPANY OVERVIEW

FIGURE 51 3M: COMPANY SNAPSHOT

TABLE 275 3M: PRODUCTS OFFERED

#### 12.1.7 FLUORSEALS SPA

TABLE 276 FLUORSEALS SPA: COMPANY OVERVIEW

TABLE 277 FLUORSEALS SPA: PRODUCTS OFFERED

#### 12.1.8 HUBEI EVERFLON POLYMER

TABLE 278 HUBEI EVERFLON POLYMER: COMPANY OVERVIEW

TABLE 279 HUBEI EVERFLON POLYMER: PRODUCTS OFFERED

12.1.9 HALOPOLYMER

TABLE 280 HALOPOLYMER: COMPANY OVERVIEW

TABLE 281 HALOPOLYMER: PRODUCTS OFFERED

12.1.10 SYENSQO

TABLE 282 SYENSQO: COMPANY OVERVIEW

FIGURE 52 SYENSQO: COMPANY SNAPSHOT

TABLE 283 SYENSQO: PRODUCTS OFFERED

\*Details on Business overview, Products/Solutions/Services offered, Recent Developments, MnM view, Key strengths, Strategic choices, Weaknesses and competitive threats might not be captured in case of unlisted companies.

12.2 OTHER PLAYERS

12.2.1 BITREZ

TABLE 284 BITREZ: COMPANY OVERVIEW

12.2.2 CHENGUANG RESEARCH INSTITUTE OF CHEMICAL INDUSTRY

TABLE 285 CHENGUANG RESEARCH INSTITUTE OF CHEMICAL INDUSTRY:  
COMPANY OVERVIEW

12.2.3 FLUOROCARBON

TABLE 286 FLUOROCARBON: COMPANY OVERVIEW

12.2.4 GUANGZHOU FLUOROPLASTICS CO., LTD.

TABLE 287 GUANGZHOU FLUOROPLASTICS CO., LTD.: COMPANY OVERVIEW

12.2.5 ZEUS COMPANY LLC

TABLE 288 ZEUS COMPANY LLC: COMPANY OVERVIEW

12.2.6 IN2PLASTICS

TABLE 289 IN2PLASTICS: COMPANY OVERVIEW

12.2.7 JIANGSU MEILAN CHEMICAL CO. LTD

TABLE 290 JIANGSU MEILAN CHEMICAL CO. LTD: COMPANY OVERVIEW

12.2.8 JUHUA GROUP CORPORATION

TABLE 291 JUHUA GROUP CORPORATION: COMPANY OVERVIEW

12.2.9 POLYFLON TECHNOLOGY LIMITED

TABLE 292 POLYFLON TECHNOLOGY LIMITED: COMPANY OVERVIEW

12.2.10 ROCHLING GROUP

TABLE 293 ROCHLING GROUP: COMPANY OVERVIEW

12.2.11 RTP COMPANY

TABLE 294 RTP COMPANY: COMPANY OVERVIEW

12.2.12 SHANDONG HENGYI NEW MATERIAL TECHNOLOGY CO., LTD

TABLE 295 SHANDONG HENGYI NEW MATERIAL TECHNOLOGY CO., LTD:  
COMPANY OVERVIEW

12.2.13 SHAMROCK TECHNOLOGIES

TABLE 296 SHAMROCK TECHNOLOGIES: COMPANY OVERVIEW

12.2.14 TECHMER PM

TABLE 297 TECHMER PM: COMPANY OVERVIEW

12.2.15 ZIBO BAINAISI CHEMICAL CO., LTD

TABLE 298 ZIBO BAINAISI CHEMICAL CO., LTD: COMPANY OVERVIEW

## **13 APPENDIX**

13.1 DISCUSSION GUIDE

13.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

13.3 CUSTOMIZATION OPTIONS

13.4 RELATED REPORTS

13.5 AUTHOR DETAILS

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