Global Paper Dry Strength Agent Market Information by Type (Polyvinyl amine, Polyacrylamide, Glyoxylated Polyacrylamide, Starch Based Polymers, Amphoteric Polymers and others), and by Region - Forecast till 2023

Synopsis of Paper Dry Strength Agent Market

The Global Paper Dry Strength Agent Market is expected to witness a significant growth by 2023 with CAGR of ~ 3.50% between 2016 and 2023.

Papermaking dry strength agent also known as paper dry additives, dry strength agents are divide into two segments namely, natural dry agents and synthetic dry agents. In natural dry agents it is further subsegmented into startch and Guar Gum and synthetic dry agents is subsegmented as polyVinylamine, polyacrylamide (PAM), poly aminoamide epichlorohydrin (PAE), Glyoxylated Polyacrylamide (GPAM) and Amphoteric Polymer.

Dry strength agent is used in paper mill to increase the strength of paper. Moreover, paper dry strength agent increase the the strength of paper by increasing the internal bond formation and improves burst strength, tear strength, wax pick values, folding endurance, stiffness, increase levels of paper fillers uses etc. The dry strength agent can be used individually or in combination.

The global paper dry strength agent has seen a remarkable growth over the past year and it is expected to see the similar growth in next coming years. The several factors that has influenced the global market are; increasing paper demand from developing economies, Increased recycled paper and filler content drives demand for chemicals, and increased recycled paper drives demand for paper chemicals. There are various opportunities which help the paper dry strength agent market to grow but on the different side there are some factors which have hampered the growth and development of this market. The factor which may hamper the growth are fluctuating prices across the region and rising energy and power cost affect the price.

Global Paper dry strength Agent Market, By Type, 2016(%)
Regional Analysis

Geographically, Asia Pacific region is the third largest market of paper dry strength agent due to demand in various applications such as printing & writing paper and tissue industry. In China region followed by India, Japan, Indonesia, Taiwan, and South Korea has made Asia Pacific largest consumer of the global Paper dry strength agent market. Furthermore, the second largest market of paper dry strength agent is Europe region owing by increasing in the consumption of paper dry strength agent market in this region. However the consumption of paper dry strength agent is comparatively less in the Middle East & Africa and Latin America. North America is one of the largest market for paper dry strength agent, according to U.S environment protection agency, printing and writing papers typically found in school or office environment such as copier paper, computer printouts and notepads comprise the largest category of paper product consumption, owing to this the market for paper dry strength is inclining at tremendous growth rate.

Segmentation

The global paper dry strength agent market is majorly segmented on the basis of types, and region. Firstly, based on types, global paper dry strength agent market is segmented into polyvinyl amine, polyacrylamide, glyoxylted polyacrylamide, starch based polymers, amphoteric polymers and others. Based on region market is divided into North America, Europe, APAC, Latin America, Middle East & Africa.

Key Players

Key players of the global Paper Dry Strength Agent market are BASF SE, Kemira, Harima Chemicals Group, Inc., Applied Chemicals International Group, Solenis, Seiko Pmc Corporation, and Richards Chemicals & Electricals Pvt. Ltd. among others.

Geographic Analysis

The report covers brief analysis of geographical region such as:
North America
- US
- Canada

Europe
- Germany
- France
- Italy
- Netherlands
- U.K.
- Rest of Europe
The report about **Global Paper Dry Strength Agent Market** by Market Research Future comprises of extensive primary research along with detail analysis of qualitative as well as quantitative aspects by various industry experts and key opinion leaders to gain a deeper insight of the market and industry performance. The report gives a clear picture of the current market scenario which includes past and estimated future market size in terms of value and volume, technological advancement, macro economical and governing factors in the market. The report further provides detail information about strategies used by top key players in the industry. It also gives a broad study about different market segments and regions.

**Key Findings**

- Global paper dry strength agent market is projected to reach USD 69,722.5 million in 2015 and expected to reach USD 90,548.7 million in 2023 with a CAGR of 3.50%
- North America accounted for largest share due to growing application industries in this region
- Total number of companies increased by 15-20% approximately over the period of 2011 to 2016 & are dominated by micro-size establishments specially in developing markets like China and India.
- Papermaking dry strength agent market is a fragmented market, however, tier 1 and tier 2 manufacturers dominate the market.
- North America dominate the market for with 32%, followed by Europe and Asia-Pacific. Asia Pacific is forecast to be the fastest growing region in paper dry strength agent market at close to 3.55% CAGR from 2016 to 2023
- Polyvinylamine dominate the market for with 28%, followed by Polyaacrilamide and Glyoxylated polyacrylamide.

**Intended Audience**

- Paper Dry Strength Agent manufacturers
- Traders and distributors of Paper Dry Strength Agent
- Production Process industries
- Potential investors
- Raw material suppliers
- Nationalized laboratory
GLOBAL PAPER DRY STRENGTH AGENTS MARKET

The global paper dry strength agents market was valued around USD 75,481.5 million in 2018 and is expected to grow with a CAGR of over 3.0% during the forecast period 2019-2025.

BY TYPE
- Polyvinylamine
- Polyacrylamide
- Glyoxylated Polyacrylamide
- Starch Based Polymers
- Amphoteric Polymers
- Others

Paper Dry Strength Agents Market Share, by Region, 2018

NORTH AMERICA
EUROPE
ASIA-PACIFIC
LATIN AMERICA
MIDDLE EAST & AFRICA

DRIVERS:
- Increasing Paper Demand from Developing Economies
- Increased Recycled Paper Drives Demand for Paper Chemicals

OPPORTUNITY & TRENDS:
- Increasing Product Innovation in Dry Strength Agents

KEY PLAYERS:
- BASF SE
- Kemira
- Harima Chemicals Group, Inc
- Applied Chemicals International Group
- Solenis
- Seiko Pmc Corporation
- Richards Chemicals & Electricals Pvt. Ltd.
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