SCOTTS INTERNATIONAL

Phenolic Insulation Market By Application (Duct, Pipe, Wall, Roof, Floor, Others), By End-Use Industry (HVAC system, Industrial, Building and construction, Others): Global Opportunity Analysis and Industry Forecast, 2021-2031

Market Report | 2022-09-01 | 265 pages | Allied Market Research

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Report description:

The phenolic insulation market was valued at $0.9 billion in 2021 and is projected to reach $1.6 billion by 2031, growing at a CAGR of 6.5% from 2022 to 2031.
Phenolic insulation is a stiff, closed-cell insulation product that performs efficiently, due to its low thermal conductivity. It is produced in big buns, which are further then constructed into pipe covers, curved segments, tank heads, and sheets. The three major components used for the production of phenolic insulation are phenolic resin, a blowing agent, and an acid catalyst; additional additives may be used to give the insulation particular characteristics.
Phenolic insulations are widely used in the building and construction industry, petrochemicals, refineries, pharmaceutical plants, and many other industries. In addition, an increase in the use of ducts and pipes in the industrial sector is anticipated to boost the growth of the market for phenolic insulations, as they ensure high thermal insulation. Moreover, phenolic insulations are high thermal insulations, which are fireproof, with good chemical resistance, and showcase better environmental performance. These factors are expected to drive the demand for phenolic insulations during the forecast period.
However, there are some disadvantages associated with phenolic insulations. These include higher toxicity and high TVOC concentration. Furthermore, an extended amount of petroleum and natural gas are burnt for the production of phenolic insulation. These factors restrain customers from buying phenolic insulations; thus, hampering the growth of the phenolic insulation market.
On the contrary, China has developed a wide range of distinctive energy-saving materials and technologies and actively promotes their use in home construction. For instance, the use of fire-resistant polystyrene insulation plates or polyurethane insulation plates contributed to both the CCTV building fire and the Shanghai residential building fire, both of which had terrible outcomes. the phenolic formaldehyde insulation exhibits minimum water absorption and exceptional age resistance, making it an excellent choice for use in wall insulation systems. Thus, phenolic insulation innovation and development are opening up a promising growth opportunity for the expansion of the global market.

The phenolic insulation market is segmented on the basis of application, end-use industry, and region. On the basis of application, the market is categorized into duct, pipe, wall, floor, roof, and others. On the basis of end-use industry, the market is classified into HVAC systems, building & construction, industrial, and others. Region wise, the market is studied across North America, Europe, Asia-Pacific, and LAMEA.

Major players operating in the global phenolic insulation market include Armacell, Asahi Kasei Corporation, BASF SE, Beijing Coowor Network Technology Co., Ltd., Covestro AG, Dow Inc, Guibao, Huntsman Corporation, Johns Manville, Kingspan Group, LX Hausys, Owens Corning, Saint-Gobain, Sekisui Chemicals Co., Ltd, SQ Group.

Other players operating in the phenolic insulation market are Jinan Shengquan Group, Unilin(Xtratherm), Lapolla Industries, Inc., Recticel Group.

COVID-19 impact analysis on the global phenolic insulation market

COVID-19 has spread across the globe and affected almost all aspects of life.

Some major economies that have suffered severely from the COVID-19 crisis include Germany, France, Italy, Spain, and the UK.

There is an uneven impact of the COVID-19 pandemic on the phenolic insulation market, owing to the implementation of lockdowns worldwide to halt the spread of the virus. This resulted in the shutting off of almost all operations, manufacturing, and distribution of all industries.

This has resulted in a decrease in demand from the construction industry which, in turn, has led to sluggish growth of the market.

The demand-supply gap, disruptions in raw material procurement, price volatility, and many other factors are expected to hamper the growth of the chemical industry during the COVID-19 pandemic.

The COVID-19 crisis has affected the chemical industry supply chain to a major extent; thus, having a major impact on raw material procurement.

However, with the lifting of the lockdown, governments around the world are encouraging businesses in the construction, and industrial industries to resume operations, and these businesses are attempting to recover the market in anticipation of a gradual increase in sales in 2021.

Key Benefits For Stakeholders

-This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the phenolic insulation market analysis from 2021 to 2031 to identify the prevailing phenolic insulation market opportunities.

-Market research is offered along with information related to key drivers, restraints, and opportunities.

-Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders to make profit-oriented business decisions and strengthen their supplier-buyer network.

-An in-depth analysis of the phenolic insulation market segmentation assists to determine the prevailing market opportunities.

-Major countries in each region are mapped according to their revenue contribution to the global market.

-Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.

-The report includes an analysis of the regional as well as global phenolic insulation market trends, key players, market segments, application areas, and market growth strategies.

Key Market Segments

By Application

- Duct
- Pipe
- Wall
- Roof
- Floor
- Others

By End-Use Industry

- HVAC system
- Industrial
- Building and construction

- Others
By Region
- North America
- U.S.
- Canada
- Mexico
- Europe
- Germany
- France
- UK
- Spain
- Itlay
- Rest Of Europe
- Asia-Pacific
- China
- Japan
- India
- South Korea
- Australia
- Rest Of Asia-Pacific
- LAMEA
- Brazil
- Saudi Arabia
- South Africa
- Rest Of LAMEA
- Key Market Players
- armacell
- Asahi Kasei Corporation
- BASF SE
- Beijing Coowor Network Technology Co., Ltd.
- covestro ag
- DOW INC
- Guibao
- Huntsman Corporation
- johns manville
- Kingspan Group
- LX Hausys
- Owens Corning
- Saint-Gobain
- Sekisui Chemicals Co., Ltd
- sq group

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