

HDPE Pipes Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global HDPE pipes market size reached US\$ 19.7 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 32.2 Billion by 2028, exhibiting a growth rate (CAGR) of 4.9% during 2023-2028.

High-density polyethylene (HDPE) pipes are flexible plastic pipes manufactured by the polymerization of ethylene with various additives, such as stabilizers, fillers, plasticizers, softeners, lubricants, colorants, flame retardants, blowing and crosslinking agents, and ultraviolet degradable additives. They are used to carry potable water, hazardous wastes, gases, slurry, firewater, and stormwater due to their high durability. They are easy to install and transport, as HDPE pipes are lightweight compared to iron or galvanized pipes. In addition, they can withstand extreme weather and ultraviolet (UV) radiation while providing chemical, abrasion, and corrosion resistance. As a result, HDPE pipes find extensive applications in construction, oil and gas, agriculture, paper, power plant, glass, plastic, and telecommunication industries across the globe.

HDPE Pipes Market Trends:

At present, the growing need for repairing and replacing existing pipes in municipal piping systems around the world represents one of the key factors driving the market. Besides this, there is a rise in the utilization of HDPE pipes in the agriculture industry for flow line irrigation, tube well pipes, drip irrigation, and pesticide spraying system. This, along with the growing development of sewage disposal infrastructures to remove decomposable matter and solid, liquid or gaseous wastes, is positively influencing the market. Moreover, as HDPE pipes are corrosion and abrasion-resistant, they are used for transporting effluents, acids, alkalis, and slurry in the chemical industry. This, coupled with the increasing employment of HDPE pipes in submarines and underwater pipelines, is contributing to the growth of the market. In addition, key market players are

extensively investing in research and development (R&D) activities to introduce HDPE pipes with freeze-break resistance properties for the safety of potable water. Additionally, the escalating demand for HDPE pipes in the telecommunication sector to protect optic fibers and cables is bolstering the growth of the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global HDPE pipes market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on type and application.

Breakup by Type:

- PE 63
- PE 80
- PE 100

Breakup by Application:

- Oil and Gas Pipe
- Agricultural Irrigation Pipe
- Water Supply Pipe
- Sewage System Pipe
- Others

Breakup by Region:

- North America
 - United States
 - Canada
- Asia-Pacific
 - China
 - Japan
 - India
 - South Korea
- Australia
- Indonesia
- Others
- Europe
 - Germany

France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Advanced Drainage Systems Inc., Apl Apollo Tubes Limited, Astral Limited, Blue Diamond Industries LLC (Hexatronic Group AB), Chevron Phillips Chemical Company LLC, China Lesso Group Holdings Limited, Formosa Plastics Corporation, Jain Irrigation Systems Limited, JM Eagle Inc., Lane Enterprises Inc., Prinsco Inc., Supreme Industries Limited, Uponor Oyj and WL Plastics Corporation.

Key Questions Answered in This Report:

How has the global HDPE pipes market performed so far and how will it perform in the coming years?
What has been the impact of COVID-19 on the global HDPE pipes market?
What are the key regional markets?
What is the breakup of the market based on the type?
What is the breakup of the market based on the application?
What are the various stages in the value chain of the industry?
What are the key driving factors and challenges in the industry?
What is the structure of the global HDPE pipes market and who are the key players?
What is the degree of competition in the industry?

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