+357 96 030922
info@marketpublishers.com

Antimicrobial Plastics Market By Additive (Inorganic and, Organic) , By Plastic (Engineering, High-Performance, Others) By End-Use (Healthcare, Packaging, Automotive, Consumer Goods, Building and Construction, And Others) : Global Opportunity Analysis and Industry Forecast, 2024-2033

https://marketpublishers.com/r/A61EE143C09EEN.html
Date: July 2024
Pages: 250
Price: US$ 2,655.00 (Single User License)
ID: A61EE143C09EEN

Abstracts

The antimicrobial plastics market was valued at $43.1 billion in 2023, and is projected t%li%reach $87.4 billion by 2033, growing at a CAGR of 7.4% from 2024 t%li%2033.

Antimicrobial plastics are engineered materials infused with additives or coatings designed t%li%inhibit the growth of microorganisms. Common antimicrobial agents used in these plastics include silver ions, copper, zinc, and organic compounds like triclosan and quaternary ammonium compounds. These agents disrupt microbial cell functions, leading t%li%their destruction or inhibition of growth. The primary benefits of antimicrobial plastics include reducing the risk of infection, extending the shelf life of products, and maintaining cleanliness. They help in minimizing microbial contamination on surfaces and in products, thereby enhancing safety and hygiene.

Increase in consumer awareness about hygiene and safety, especially in the wake of the COVID-19 pandemic, has fostered the demand for antimicrobial products, which is a key factor driving the growth of the global global antimicrobial plastics market. In addition, alarming increase in prevalence of hospital-associated infections has enforced healthcare facilities t%li%adopt antimicrobial plastics for medical devices, equipment, and surfaces t%li%reduce infection rates. A 2018 study published in the Journal of Hospital Infection demonstrated that the use of antimicrobial surfaces in hospital settings could reduce the incidence of hospital-associated infections by up t%li%30%.

+357 96 030922
info@marketpublishers.com

This reduction is significant, given the fact that approximately 1.7 million patients suffer from hospital-associated infections annually in the U.S. alone. Furthermore, the expansion of the global healthcare industry, including hospitals, clinics, and medical device manufacturing, is significantly contributing toward the market growth. Moreover, the food industry is focusing on extending shelf life and ensuring food safety, which has led t%li%the adoption of antimicrobial plastics in packaging materials. A study published in Food Control in 2020—an international journal that focuses on food safety and food quality concerns and preventative control measures that improve public health—states that antimicrobial packaging could extend the shelf life of fresh produce by 25-50%. The study highlighted that antimicrobial films containing silver nanoparticles inhibited bacterial growth, thus preserving food quality for a longer period. However, high cost associated with the incorporation of antimicrobial agents int%li%plastics restrains the market growth. In addition, use of certain antimicrobial agents, such as silver nanoparticles and triclosan, has raised environmental concerns due t%li%their potential toxicity, thus hampering the market growth. On the contrary, the development of eco-friendly and sustainable antimicrobial solutions addresses environmental concerns and attracts environmentally conscious consumers and industries, which is expected t%li%offer lucrative opportunities for the market growth. Moreover, innovations in antimicrobial agents and plastic manufacturing techniques have improved the efficacy and variety of antimicrobial plastics, making them more attractive t%li%various industries.

The global antimicrobial plastics market is segmented int%li%additive, plastic, end use, and region. By additive, the market is classified int%li%inorganic and organic. On the basis of plastic, it is segregated int%li%engineering, high-performance, and others. Depending on end use, it is fragmented int%li%healthcare, packaging, automotive, consumer goods, building & construction, and others. Region wise, it is studied across areas such as North America, Europe, Asia-Pacific, and LAMEA.

Key Findings

By additive, the organic segment is expected t%li%witness rapid growth by 2033.

On the basis of plastic, the engineering plastics segment is anticipated t%li%lead throughout the forecast period.

Depending on end use, healthcare is projected t%li%emerge as a leading segment in the coming years.

+357 96 030922
info@marketpublishers.com

Region wise, antimicrobial plastic is likely t%li%gain high prominence in Asia-Pacific.

Competition Analysis

Competitive analysis and profiles of the major players in the global Antimicrobial Plastics Market include INEOS Group, BioCote Limited, Lonza Group, Microban International, RTP Company, LLC, Avient Corporation, BASF SE, Palram Industries Ltd., LyondellBasell Industries Holdings B.V., and DuPont de Nemours, Inc. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships t%li%sustain the intense competition and gain strong foothold in the global market.

Additional benefits you will get with this purchase are:

Quarterly Update and* (only available with a corporate license, on listed price)

5 additional Company Profile of client Choice pre- or Post-purchase, as a free update.

Free Upcoming Version on the Purchase of Five and Enterprise User License.

16 analyst hours of support* (post-purchase, if you find additional data requirements upon review of the report, you may receive support amounting t%li%16 analyst hours t%li%solve questions, and post-sale queries)

15% Free Customization* (in case the scope or segment of the report does not match your requirements, 15% is equivalent t%li%3 working days of free work, applicable once)

Free data Pack on the Five and Enterprise User License. (Excel version of the report)

Free Updated report if the report is 6-12 months old or older.

24-hour priority response*

Free Industry updates and white papers.

+357 96 030922
info@marketpublishers.com

Possible Customization with this report (with additional cost and timeline, please talk t%li%the sales executive t%li%know more)

- Additional country or region analysis- market size and forecast
- Historic market data
- List of customers/consumers/raw material suppliers- value chain analysis
- SWOT Analysis

Key Market Segments

By Additive

- Inorganic and
- Organic

By Plastic

- Engineering
- High-Performance
- Others

By End-Use

- Healthcare
- Packaging
- Automotive
- Consumer Goods

+357 96 030922
info@marketpublishers.com

- Building and Construction
- And Others

By Region

- North America
- U.S.
- Canada
- Mexico
- Europe
- France
- Germany
- Italy
- Spain
- UK
- Rest of Europe
- Asia-Pacific
- China
- Japan
- India
- South Korea

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

CHAPTER 5: ACRYLIC ADHESIVES MARKET, BY TECHNOLOGY

+357 96 030922
info@marketpublishers.com

CHAPTER 6: ACRYLIC ADHESIVES MARKET, BY END-USE INDUSTRY

+357 96 030922
info@marketpublishers.com

CHAPTER 7: ACRYLIC ADHESIVES MARKET, BY REGION

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

CHAPTER 8: COMPETITIVE LANDSCAPE

+357 96 030922
info@marketpublishers.com

CHAPTER 9: COMPANY PROFILES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Antimicrobial Plastics Market By Additive (Inorganic and, Organic) , By Plastic (Engineering, High-Performance, Others) By End-Use (Healthcare, Packaging, Automotive, Consumer Goods, Building and Construction, And Others) : Global Opportunity Analysis and Industry Forecast, 2024-2033

Product link: https://marketpublishers.com/r/A61EE143C09EEN.html

Price: US$ 2,655.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/A61EE143C09EEN.html