Global Medical Adhesives Market: Information by Resin {(Natural (Collagen, Fibrin, and Others), Synthetic & Semi-Synthetic (Acrylic, Cyanoacrylate, Epoxy, Silicone, Polyurethane, and Others)}, by Application (Implant, Tissue Bonding, Wound Closure, Medical Device & Equipment, Dental, Tapes, and Others), by Technology (Water-Based, Solid & Hot Melt and Solvent-Based), Region (North America, Europe, Asia-Pacific, Latin America, and the Middle East & Africa)—Forecast till 2025

Market Synopsis

The global medical adhesives market is projected to reach USD 16.84 billion in terms of value by 2025, growing with the CAGR of over 8.08% during the review period. Medical adhesives help in bonding materials such as plastic and metal. Medical adhesives are available in various forms which are used in various materials like textile, nonwoven, and films. In April 2019, 3M expanded medical adhesive portfolio for wearable medical devices. Also, in March 2018 Dow has launched new skin adhesive designed for skin adhered medical device. This product offers strong adhesion and manufacturing flexibility. Such development in the medical industry is projected to drive the demand for medical adhesives, which is projected to drive the demand for global medical adhesives market during the forecast period.

Medical adhesives are biocompatible, their non-sensitizing, non-irritating, and non-cytotoxic properties have increased their application in medical devices. Besides, silicone adhesive hydrophobic property makes it ideal for application in devices that are worn during water sports, such as swimming and diving. The features and benefits of silicone adhesives have increased their popularity. Moreover, the demand for medical devices is increasing owing to the growing awareness regarding health and wellness among customers. Influence of progressive wellness on consumers concerning fitness and healthy lifestyle is propelling the demand for wearable medical devices. The strong binding properties of medical adhesives and glass substrates act as an excellent barrier against oxygen and moisture permeation. These factors have boosted the growth of the global medical adhesives market.

Increasing in the prevalence of chronic diseases, such as diabetes and cardiovascular diseases, has increased the adoption of wearable smart medical devices, as wearable devices provide information on blood pressure, breathing patterns, and blood glucose levels. According to the World Health Organization (WHO) in 2014, around 422 million people worldwide had diabetes. Moreover, Mexico has the highest prevalence of diabetes and obesity, around 33% of children and 70% of adults suffered from obesity in 2014. Thus, the increasing incidence of diseases is expected to fuel the demand for silicone-based adhesives to manufacture wearable devices and boost the growth of the global medical adhesives market during the forecast period.

Global Medical Adhesives Market Share, by Application, 2018 (%)
Regional Analysis

The global medical adhesives market has been studied across five key regions, namely Asia-Pacific, North America, Latin America, Europe, and the Middle East & Africa. North America medical adhesive market holds over 25% share and is likely to dominate the market in the coming years. Presence of established pharmaceutical companies and high investment in innovation and development of medical devices is expected to drive the medical adhesive demand in the region.

Europe is significantly growing market, rise in the number of chronic diseases in the region owing to a high old age population is estimated to increase the application of the medical device. The region has witnessed high medical spending in the past few years and is projected to grow in coming years, thus propelling market growth. The Asia-Pacific medical adhesive market is expected to grow owing to the increasing population, which is rising the need for better medical facilities, thus favoring the demand for medical adhesive during the forecast period.

The Middle East & Africa and Latin America region is projected to witness healthy growth due to the rise in chronic diseases.

Market Segmentation

The global medical adhesives market has been segmented based on resin, technology, application, and region. Based on resin, the global market is divided into natural and synthetic & semi-synthetic. Synthetic & semi-synthetic based resin is the leading segment of the global medical adhesive market. Application segment comprises of implant, tissue bonding, wound closure, medical device & equipment, dental, tapes, and others. The medical device & equipment segment is the fastest-growing application segment of the global medical adhesives market.

Key Players

Some of the leading players in the global Medical Adhesives market H.B. Fuller (US), Johnson & Johnson (US), Ashland Inc. (US), 3M (US), Arkema Group (France), Henkel AG & Company, Chemence (UK), Avery Dennison Corporation (US), Dow (US), and Cohera Medical, Inc. (US). Global players are expanding medical adhesive production capacity to meet the growing demand from the medical industry.

Intended Audience

- Medical adhesives manufacturers
- Traders and distributors of medical adhesives chemicals
- Research and development institutes
- Potential investors
- Raw material suppliers
- Nationalized laboratories
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