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Potting Compound Market by Resin Type (Polyurethane, Silicone, Epoxy, Polyester, Polyolefin, Polyamide, and Others), Curing Technology (UV Curing, Thermal Curing, and Room Temperature Curing), Application (Electrical and Electronics), and End Users (Electronics, Aerospace, Automotive, Industrial, and Others): Global Opportunity Analysis and Industry Forecast, 2020–2027

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Abstracts

The global potting compound market was valued at $3.1 billion in 2019, and is projected to reach $4.1 billion by 2027, growing at a CAGR of 3.9% from 2020 to 2027.

Potting compounds are used as encapsulants to protect from water, dust, voltage discharge, vibration, and physical damage. Potting material is introduced during the electronic assembly and offers excellent adhesive properties; hence, they are extremely difficult to remove once they are placed in the desired place as they permanently stick to the surface, which makes rework impossible. Potting process can be performed either manually or by using automated meter-mix-dispense (MMD) equipment.

The perfectly suitable properties of potting compound for electronic applications is driving the growth of the potting compound market globally. In addition, increased consumer electronic industry output and trend for miniaturization fuels the growth of the global potting compound market during the forecast period.

However, improper selection of potting resins for various applications is expected to restrain the market growth during the analyzed timeframe. Gradual adoption of two

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component polyurethane potting compounds by the end users across the globe is expected to create the opportunity for the key players in the global potting compound market in the upcoming years.

The global potting compounds market is segmented into resin type, curing technology, application, end user, and region. Depending on resin type, the market is categorized into polyurethane, silicone, epoxy, polyester, polyolefin, polyamide, and others. On the basis of curing technology, it is bifurcated into UV curing, thermal curing, and room temperature curing. As per application, it is classified into electrical and electronics. Furthermore, the electrical applications is sub-segmented into surface mount packages, beam bonded components, memory devices & microprocessors, and others. Similarly, the electronics application segment is further sub-classified into capacitors, transformers, cable joints, industrial magnets, solenoids, and others. By end user, the market is fragmented into electronics, aerospace, automotive, industrial, and others. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

KEY BENEFITS FOR STAKEHOLDERS

The report includes in-depth analysis of different segments and provides market estimations between 2020 and 2027.

A comprehensive analysis of the factors that drive and restrict the growth of the global potting compound market is provided.

Porter’s five forces model illustrates the potency of buyers & sellers, which is estimated to assist the market players to adopt effective strategies.

Estimations and forecast are based on factors impacting the global potting compound market growth, in terms of value and volume.

Key market players are profiled to gain an understanding of the strategies adopted by them.

This report provides a detailed analysis of the current global potting compound market trends and future estimations from 2020 to 2027, which helps identify the prevailing market opportunities.

KEY MARKET SEGMENTS

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By Resin Type

- Epoxy
- Polyurethane
- Silicone
- Polyester
- Polyamide
- Polyolefin
- Acrylics

By Curing Technology

- UV Curing
- Thermal Curing
- Room Temperature Curing

By Application

- Electrical
  - Surface Mount Packages
  - Beam Bonded Components
  - Memory Devices & Microprocessors
  - Others

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- Electronics
  - Capacitors
  - Transformers
  - Cable Joints
  - Industrial Magnets
  - Solenoids
  - Others

By End User

- Electronics
- Aerospace
- Automotive
- Industrial
- Others

By Region

- North America
  - U.S.
  - Canada
  - Mexico
- Europe

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- Germany
- France
- UK
- Italy
- Spain
- Rest of Europe

Asia-Pacific

- China
- Japan
- India
- Australia
- South Korea
- Rest of Asia-Pacific

LAMEA

- Brazil
- Saudi Arabia
- South Africa
- Rest of LAMEA

KEY MARKET PLAYERS

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Altana AG

Aremco Products, Inc.

Dow, Inc.

Dymax Corporation

Henkel AG & Co. KGaA

Hitachi Chemical Co., Ltd.

Huntsman International LLC

Lord Corporation

Master Bond, Inc.

MG Chemicals

RBC Industries, Inc.

Shanghai SEPNA Chemical Technology Co., Ltd.

Wacker Chemie AG

Wevo-Chemie GmbH

3M

Other players operating and analyzed in the potting compound market are Epic Resins, Intertronics, Electrolube, ACC Silicones Ltd., EFI Polymers, and others.

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Contents

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CHAPTER 5:POTTING COMPOUND MARKET, BY CURING TECHNOLOGY

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CHAPTER 8:POTTING COMPOUND MARKET, BY REGION

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CHAPTER 9:COMPETITIVE LANDSCAPE

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CHAPTER 10:COMPANY PROFILES

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List Of Tables

LIST OF TABLES

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