Growth Opportunities for Polyamide Resin in the Global Composites Industry

Description: The polyamide resin market in the global composites industry is expected to reach an estimated $6.4 billion by 2021 and it is forecast to grow at a CAGR of 5.4% from 2016 to 2021. The major drivers for the growth of this market are growing demand for thermoplastics with high thermal stability in under-hood applications and increasing focus of automotive OEMs to reduce weight without compromising vehicle performance.

Emerging trends which have a direct impact on the dynamics of the industry include the increasing use of post-consumer recycled polyamide resins, increasing use of bio based resins for various applications, and growing inter-material competition.

A total of 96 figures / charts and 31 tables are provided in this 127-page report to help in your business decisions. Sample figures with some insights are shown below. To learn the scope of, benefits, companies researched and other details of this report, download the report brochure.

The study includes a forecast for the growth opportunities in the polyamide resin market in the global composites industry by end use application, product form, PA grades, and region, as follows:

By end use application [Volume (M lbs) and Value ($ Million) from 2010 to 2021]:
- Transportation
- Consumer Goods
- Electrical/Electronics
- Others

By product form [volume (M lbs) and Value ($ Million) from 2010 to 2021]:
- SFT
- LFT
- CFT

By PA grade [volume (M lbs) in 2015]:
- PA6
- PA66
- PA46
- PA12
- PA610
- Others

By region [volume (M lbs) and Value ($ Million) from 2010 to 2021]:
- North America
- Europe
- The Rest of the World (including Asia Pacific)

BASF, DuPont, DSM, Solvay, and LANXESS are among the major suppliers of polyamide resin in the global composites industry.

On the basis of comprehensive research, the author forecasts that the transportation segment is expected to show above average growth during the forecast period of 2016 to 2021.

Within the polyamide resin in the global composites industry, the transportation segment is expected to remain the largest application by value and volume. Expected increase in global automotive production and increasing demand for high temperature thermoplastics in under-hood applications are the major driving forces that spur growth for this segment over the forecast period.

The Rest of the World (including Asia Pacific) is expected to remain the largest market for polyamide resin.
This report addresses the following key questions:

Q.1. What are some of the most promising, high-growth opportunities for polyamide resin in composites industry by end use application (transportation, consumer goods, electrical/electronics, and others), product form (SFT, LFT, and CFT), and region (North America, Europe, and the Rest of the World (including Asia Pacific))?

Q.2. Which products segments will grow at a faster pace and why?

Q.3. Which region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the drivers, challenges, and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

Q.6. What are emerging trends in this market and the reasons behind them?

Q.7. What are some of the changing demands of customers in the market?

Q.8. What are the new developments in the market and which companies are leading these developments?

Q.9. Who are the major players in this market? What strategic initiatives are being taken by key companies for business growth?

Q.10. What are some of the competing products in this market and how big of a threat do they pose for loss of market share by product substitution?

Q.11. What M&A activity has occurred in the last 5 years and what has its impact been on the industry?

Contents:

1. Executive Summary
2. Industry Background and Classifications
   2.1: Introduction
   2.2: Industry Classification
   2.3: Supply Chain
3. Market Trends and Forecast Analysis
   3.1: Market Analysis 2015
   3.1.1: Polyamide Resin Market in the Global Composites Industry by End Use Application
   3.1.2: Polyamide Resin Market in the Global Composites Industry by Polyamide Resin Grade
   3.1.3: Polyamide Resin Market in the Global Composites Industry by Product Form
   3.1.4: Polyamide Resin Market in the Global Composites Industry by Region
   3.2: Market Trends from 2010 to 2015
   3.2.1: Macroeconomic Trends
   3.2.2: Trends of the Polyamide Resin Market in Global Composites Industry by Value and Volume
3.3: Market Forecast 2016-2021
   3.3.1: Macroeconomic Forecast

Polyamide resin in the global composites industry size by end use application type:

- Transportation
- Consumer Goods
- Electrical/Electronics
- Others
- Polyamide resin in the global composites industry size by product type:
  - SFT
  - LFT
  - CFT

Polyamide resin in the global composites industry size by PA grade type (current market analysis):

- PA6
- PA66
- PA46
- PA12
- PA610
- Others

3.2.3: Industry Drivers and Challenges
3.3: Market Forecast 2016-2021
3.3.1: Macroeconomic Forecast
3.3.2: Forecast for Polyamide Resin Market in the Global Composites Industry

Polyamide resin in the global composites industry size by end use application type:

- Transportation
- Consumer Goods
- Electrical/Electronics
- Others

Polyamide resin in the global composites industry size by product type:

- SFT
- LFT
- CFT

Polyamide resin in the global composites industry size by PA grade type (current market analysis):

- PA6
- PA66
- PA46
- PA12
- PA610
- Others

4. Competitor Analysis
4.1: Product Portfolio Analysis
4.2: Geographical Reach
4.3: Operational Integration
4.4: Porter's Five Forces Analysis

5. Growth Opportunities and Strategic Analysis
5.1: Analysis of Growth Opportunities
5.2: Innovations in Polyamide Resin Market for Composites Industry
5.3: Emerging Trends of Polyamide Resin Market in the Global Composites Industry
5.4: Strategic Analysis
5.4.1: New Product Development
5.4.2: Capacity Expansion in Polyamide Resin in the Global Composites Industry
5.4.3: Certification and Licensing
5.4.4: Mergers and Acquisitions in Polyamide Resin Market in the Global Composites Industry

6. Company Profiles of Leading Players
6.1: BASF SE
6.2: Royal DSM
6.3: DuPont
6.4: LANXESS AG
6.5: Solvay S.A.

List of Figures

Chapter 2. Industry Background and Classifications
Figure 2.1: Moisture Absorption (%) of Different PA Grades
Figure 2.2: Process of manufacturing PA 66 resin
Figure 2.3: Process of manufacturing PA 66 resin
Figure 2.4: Classification of Polyamide Resin Market in the Global Composites Industry by End Use Application
Figure 2.5: Air Intake Manifold
Figure 2.6: Engine Cover
Figure 2.7: Radiator End Tank
Figure 2.8: Air Cooler End Caps
Figure 2.9: Oil Pan
Figure 2.10: Ignition Coil Connector
Figure 2.11: Bicycle Frame
Figure 2.12: Snowboard Binding
Figure 2.13: Chair
Figure 2.14: Folding Knife
Figure 2.15: Circuit Breaker
Figure 2.16: Terminal Blocks
Figure 2.17: Position Switch Housing
Figure 2.18: MCCB Arc Chamber
Figure 2.19: Classification of Polyamide Resin Market in the Global Composites Industry by Product Form
Figure 2.20: Supply Chain of Polyamide Resin Market in the Global Composites Industry

Chapter 3. Market Trends and Forecast Analysis
Figure 3.1: Polyamide Resin Market ($M) Distribution in the Global Composites Industry by End Use Application in 2015
Figure 3.2: Polyamide Resin Market ($M) in the Global Composites Industry by End Use Application in 2015
Figure 3.3: Polyamide Resin Market (Million Pounds) Distribution in the Global Composites Industry by End Use Application in 2015
Figure 3.4: Polyamide Resin Market (Million Pounds) in the Global Composites Industry by End Use Application in 2015
Figure 3.5: Polyamide Resin Market (Million Pounds) Distribution in the Global Composites Industry by Transportation Applications in 2015
Figure 3.6: Polyamide Resin Market (Million Pounds) in the Global Composites Industry by Transportation Applications in 2015
Figure 3.7: Polyamide Resin Market (Million Pounds) Distribution in the Global Composites Industry by PA Grades in 2015
Figure 3.8: Polyamide Resin Market ($M) Distribution in the Global Composites Industry by Product Form in 2015
Figure 3.9: Polyamide Resin Market ($M) in the Global Composites Industry by Product Form in 2015
Figure 3.10: Polyamide Resin Market (Million Pounds) Distribution in the Global Composites Industry by Product Form in 2015
Figure 3.11: Polyamide Resin Market (Million Pounds) in the Global Composites Industry by Product Form in 2015
Figure 3.12: Polyamide Resin Market ($M) Distribution in the Global Composites Industry by Region in 2015
Figure 3.13: Polyamide Resin Market ($M) in the Global Composites Industry by Region in 2015
Figure 3.14: Polyamide Resin Market (Million Pounds) Distribution in the Global Composites Industry by Region in 2015
Figure 3.15: Polyamide Resin Market (Million Pounds) in the Global Composites Industry by Region in 2015
Figure 3.16: Trends of the Global Automotive Production from 2010 to 2015
Figure 3.17: Trend of Global GDP Growth Rate
Figure 3.18: Trends of Regional GDP Growth rate
Figure 3.19: Trends of Polyamide Resin Market in the Global Composites Industry from 2010 to 2015
Figure 3.20: Trends of Polyamide Resin Market ($M) in the Global Composites Industry by End-Use Application from 2010 to 2015
Figure 3.21: Growth Rate of Polyamide Resin Market ($M) in the Global Composites Industry by End-Use Application from 2014 to 2015
Figure 3.22: CAGR of Polyamide Resin Market ($M) in the Global Composites Industry by End-Use Application from 2010 to 2015
Figure 3.23: Trends of Polyamide Resin Market (Million Pounds) in the Global Composites Industry by End Use Application from 2010 to 2015
Figure 3.24: Growth Rate of Polyamide Resin Market in the Global Composites Industry (Million Pounds) by End-Use Application from 2014 to 2015
Figure 3.25: CAGR of Polyamide Resin Market (Million Pounds) in the Global Composites Industry by End-Use Application from 2010 to 2015
Figure 3.26: Trends of Polyamide Resin Market ($M) in the Global Composites Industry by Product Form from 2010 to 2015
Figure 3.27: Growth Rate of Polyamide Resin Market ($M) in the Global Composites Industry by Product Form from 2014 to 2015
Figure 3.28: CAGR of Polyamide Resin Market ($M) in the Global Composites Industry by Product Form from 2010 to 2015
Figure 3.29: Trends of Polyamide Resin Market (Million Pounds) in the Global Composites Industry by Product Form from 2010 to 2015
Figure 3.30: Growth Rate of Polyamide Resin Market (Million Pounds) in the Global Composites Industry by Product type from 2014 to 2015
Figure 3.31: CAGR of Polyamide Resin Market (Million Pounds) in the Global Composites Industry by Product Form from 2010 to 2015
Figure 3.32: Trends of Polyamide Resin Market ($M) in the Global Composites Industry by Region from 2010 to 2015
Figure 3.33: Growth Rate of Polyamide Resin Market ($M) in the Global Composites Industry by Region from 2014 to 2015
Figure 3.34: CAGR of Polyamide Resin Market ($M) in the Global Composites Industry by Region from 2010 to 2015
Figure 3.35: Trends of Polyamide Resin Market (Million Pounds) in the Global Composites Industry by Region from 2010 to 2015
Figure 3.36: Growth Rate of Polyamide Resin Market (Million Pounds) in the Global Composites Industry by Region from 2014 to 2015
Figure 3.37: CAGR of Polyamide Resin Market (Million Pounds) in the Global Composites Industry by Region from 2010 to 2015
Figure 3.38: Drivers and Challenges of Polyamide Resin Market in the Global Composites Industry
Figure 3.39: Forecast for Automotive Production by Region from 2016 to 2021
Figure 3.40: Forecast of Global GDP Growth Rate
Figure 3.41: Forecast for Regional GDP Growth Rate
Figure 3.42: Forecast for Polyamide Resin Market in the Global Composites Industry from 2016 to 2021
Figure 3.43: Forecast for Polyamide Resin Market ($M) in the Global Composites Industry by End-Use Applications from 2016 to 2021
Figure 3.44: Growth Rate of Polyamide Resin Market ($M) in the Global Composites Industry by End-Use Applications from 2015 to 2016
Figure 3.45: CAGR for Polyamide Resin Market ($M) in the Global Composites Industry by End-Use Applications from 2016 to 2021
Figure 3.46: Forecast for Polyamide Resin Market (Million Pounds) in the Global Composites Industry by End-Use Application from 2016 to 2021
Figure 3.47: Growth rate of Polyamide Resin Market (Million Pounds) by End-Use Application from 2015 to 2016
Figure 3.48: CAGR for Polyamide Resin Market (Million Pounds) in the Global Composites Industry by End-Use Application from 2016 to 2021
Figure 3.49: Forecast for Polyamide Resin Market ($M) in the Global Composites Industry by Product Form from 2016 to 2021
Figure 3.50: Growth Rate of Polyamide Resin Market ($M) in the Global Composites Industry by Product Form from 2015 to 2016
Figure 3.51: CAGR for Polyamide Resin Market ($M) in the Global Composites Industry by Product Form from 2016 to 2021
Figure 3.52: Forecast for Polyamide Resin Market (Million Pounds) in the Global Composites Industry by Product Form from 2016 to 2021
Figure 3.53: Growth Rate of Polyamide Resin Market in the Global Composites Industry by Product Form from 2015 to 2016
Figure 3.54: CAGR for Polyamide Resin Market (Million Pounds) in the Global Composites Industry by Product Form from 2016 to 2021
Figure 3.55: Forecast for Polyamide Resin Market ($M) in the Global Composites Industry by Region from 2016 to 2021
Figure 3.56: Growth Rate of Polyamide Resin Market ($M) in the Global Composites Industry by Region from 2015 to 2016
Figure 3.57: CAGR for the Polyamide Resin Market ($M) in the Global Composites Industry by Region from 2016 to 2021
Figure 3.58: Forecast for Polyamide Resin Market (Million Pounds) in the Global Composites Industry by Region from 2016 to 2021
Figure 3.59: Growth Rate of Polyamide Resin Market (Million Pounds) in the Global Composites Industry by Region from 2015 to 2016
Figure 3.60: CAGR for Polyamide Resin Market (Million Pounds) in the Global Composites Industry by Region from 2016 to 2021

Chapter 4. Competitor Analysis
Figure 4.1: Geographical Footprint of Competitors in Polyamide Resin Market in the Global Composites Industry
Figure 4.2: Porter’s Five Forces Model for Polyamide Resin Market in the Global Composites Industry

Chapter 5. Growth Opportunities and Strategic Analysis
Figure 5.1: Growth Opportunities for Polyamide Resin in the Global Composites Industry by End Use Applications
Figure 5.2: Growth Opportunities for Polyamide resin in the Global Composites Industry by Product Form
Figure 5.3: Growth Opportunities for Polyamide Resin in the Global Composites Industry by Region
Figure 5.4: VW Front End Carrier
Figure 5.5: Oil Tank- Mercedes-AMG GT
Figure 5.6: Smart Phone Frame Splitter: Xiaomi Mi4
Figure 5.7: Air intake manifold- BMW i8
Figure 5.8: Seat Pan – Opel Astra OPC
Figure 5.9: Head Lamp Support – MAN Trucks
Figure 5.10: Emerging Trends for Polyamide Resin in the Global Composites Industry
Figure 5.11: Strategic Initiatives by Major Competitors in 2015
Figure 5.12: Strategic Initiatives by Major Competitors in 2014
Figure 5.13: Year-over-Year Study of the Strategic Initiatives by Major Competitors of Polyamide Resins in the Global Composites Industry
Figure 5.14: Capacity Expansion by Major Players of Polyamide Resin in the Global Composites Industry

List of Tables

Chapter 1. Executive Summary
Table 1.1: Polyamide Resin Market in the Global Composites Industry: Parameters and Attributes

Chapter 2. Industry Background and Classifications
Table 2.1: Classification of Different Polyamide Grades based on Raw Materials and Chemical Structure
Table 2.2: Property Comparison of Polyamide Resins
Table 2.3: Advantages and Disadvantages of Polyamide Resin Market in the Composites
Table 2.4: Application Areas of Polyamide Compounds in Transportation Industry
Table 2.5: Application Areas of Polyamide Compounds in Consumer Goods Industry
Table 2.6: Application Areas of Polyamide Compounds in Electrical/ Electronics Industry
Table 2.7: Application Areas of Polyamide Compounds in SFT Product Form
Table 2.8: Application Areas of Polyamide Compounds in LFT Product Form
Table 2.9: Application Areas of Polyamide Compounds in CFT Product Form

Chapter 3. Market Trends and Forecast Analysis
Table 3.1: Trends of Polyamide Resin Market in the Global Composites Industry from 2010 to 2015
Table 3.2: Average Growth Rates for One, Three, and Five years for Polyamide Resin Market in the Global Composites Industry in Terms of Shipment Value ($ Million)
Table 3.3: Market Size and Growth Rates (2014-2015) in Various End Use Applications of Polyamide Resin Market in the Global Composites Industry by Value and Volume
Table 3.4: Market Size and Compounded Annual Growth Rates during Last Five Years (2010-2015) in Various End Use Applications of Polyamide Resin Market in the Global Composites Industry by Value and Volume
Table 3.5: Market Size and Growth Rates (2014-2015) in Various Product Forms of Polyamide Resin Market in the Global Composites Industry by Value and Volume
Table 3.6: Market Size and Compounded Annual Growth Rates during Last Five Years (2010-2015) in Various Product Forms of Polyamide Resin Market in the Global Composites Industry by Value and Volume
Table 3.7: Market Size and 2014 to 2015 Growth Rates of the Polyamide Resin Market in the Global Composites Industry by Region in Terms of Value and Volume
Table 3.8: Market Size and Compound Annual Growth Rates (2010-2015) of Polyamide Resin Market in the Global Composites Industry by Region in Terms of Value and Volume
Table 3.9: Forecast for Polyamide Resin Market in the Global Composites Industry from 2016 to 2021
Table 3.10: Average Growth Rates for One, Three, and Five years of Polyamide Resin Market in the Global Composites Industry in Terms of $ Shipment
Table 3.11: Market Size and 2015-2016 Growth Rates by End-Use Application for Polyamide Resin Market in the Global Composites Industry in Terms of Value and Volume Production
Table 3.12: Market Size and Annual Growth Rates during Forecast Period (2016 to 2021) by End Use Applications for Polyamide Resin Market in the Global Composites Industry in Terms of Value and Volume
Table 3.13: Market Size and 2015-2016 Growth Rates by Product Form for Polyamide Resin Market in the Global Composites Industry in Terms of Value and Volume Production
Table 3.14: Market Size and Annual Growth Rates during Forecast Period (2016 to 2021) by Product Form for Polyamide Resin Market in the Global Composites Industry in Terms of Value and Volume
Table 3.15: Market Size and 2015-2016 Growth Rates by Region for Polyamide Resin Market in the Global Composites Industry in Terms of Value and Volume Production
Table 3.16: Market Size and Annual Growth Rates during Forecast Period by Region for Polyamide Resin Market in the Global Composites Industry in Terms of Value and Volume

Chapter 4. Competitor Analysis
Table 4.1: Market Presence of Major Polyamide Resin Suppliers by Resin Grade
Table 4.2: Industry-Wide Product Mapping for Polyamide Resin Suppliers
Table 4.3: Operational Integration of Polyamide Resin Manufacturer across the Value Chain

Chapter 5. Growth Opportunities and Strategic Analysis
Table 5.1: New Product Launches by Major Competitors during Last Five Years
Table 5.2: Certifications Acquired by Major Competitors of Polyamide Resins Market in the Global Composites Industry

Ordering:
Order Online - http://www.researchandmarkets.com/reports/3952283/

Order by Fax - using the form below

Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>Growth Opportunities for Polyamide Resin in the Global Composites Industry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Web Address:</td>
<td><a href="http://www.researchandmarkets.com/reports/3952283/">http://www.researchandmarkets.com/reports/3952283/</a></td>
</tr>
<tr>
<td>Office Code:</td>
<td>SC2G54JI</td>
</tr>
</tbody>
</table>

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User:</td>
<td>USD 4850</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 5 Users:</td>
<td>USD 6650</td>
</tr>
<tr>
<td>Electronic (PDF) - Enterprisewide:</td>
<td>USD 8850</td>
</tr>
</tbody>
</table>

* The price quoted above is only valid for 30 days. Please submit your order within that time frame to avail of this price as all prices are subject to change.

Contact Information
Please enter all the information below in BLOCK CAPITALS

<table>
<thead>
<tr>
<th>Title:</th>
<th>Mr ☐ Mrs ☐ Dr ☐ Miss ☐ Ms ☐ Prof ☐</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Name:</td>
<td></td>
</tr>
<tr>
<td>Email Address: *</td>
<td></td>
</tr>
<tr>
<td>Job Title:</td>
<td></td>
</tr>
<tr>
<td>Organisation:</td>
<td></td>
</tr>
<tr>
<td>Address:</td>
<td></td>
</tr>
<tr>
<td>City:</td>
<td></td>
</tr>
<tr>
<td>Postal / Zip Code:</td>
<td></td>
</tr>
<tr>
<td>Country:</td>
<td></td>
</tr>
<tr>
<td>Phone Number:</td>
<td></td>
</tr>
<tr>
<td>Fax Number:</td>
<td></td>
</tr>
</tbody>
</table>

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:

<table>
<thead>
<tr>
<th>Account number</th>
<th>833 130 83</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sort code</td>
<td>98-53-30</td>
</tr>
<tr>
<td>Swift code</td>
<td>ULSBIE2D</td>
</tr>
<tr>
<td>IBAN number</td>
<td>IE78ULSB98533083313083</td>
</tr>
<tr>
<td>Bank Address</td>
<td>Ulster Bank, 27-35 Main Street, Blackrock, Co. Dublin, Ireland</td>
</tr>
</tbody>
</table>

If you have a Marketing Code please enter it below:

Marketing Code:__________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World