

# **Global Glass Mat Thermoplastics Market 2012-2017: Trend, Forecast, and Opportunity Analysis, September 2012**

<https://marketpublishers.com/r/G4441B0D0D7EN.html>

Date: September 2012

Pages: 185

Price: US\$ 3,900.00 (Single User License)

ID: G4441B0D0D7EN

## **Abstracts**

### **Background**

Glass-mat thermoplastics (GMTs) are becoming the material of choice for many automotive applications. Compared to metals, GMTs have higher strength-to-weight ratios and impact resistance. GMTs offer greater design flexibility and better resistance to chemicals and corrosion. They are also electrically insulating and have relatively high stiffness and good dimensional stability. GMTs are challenging traditional sheet-molding compounds (SMCs) as well. GMTs have shorter molding cycle times and an infinite shelf life, whereas thermoset SMCs need controlled storage and have a limited life. GMTs are also lighter and more ductile than their SMC counterparts and better resist impact at both high and low temperatures.

During 1970's and 1980's, glass-mat thermoplastic composites were nearly the only option for engineers searching for increased stiffness, strength, and toughness. During 1990's, GMT market suffered from advancements in steel materials but since early 2000, the industry dynamics have changed and GMT suppliers have invented new materials (Advanced GMT) to regain their legacy. Advanced GMT is currently geared toward nonstructural interior parts such as headliners, load floors, sunshades, and trunk liners. Lucintel estimates that Advanced GMT will be adopted by Automotive industry for exterior panels in near future. Advanced GMT is also a more environmentally friendly, recyclable alternative to conventional PVC under-body corrosion barriers.

Lucintel forecasts global GMT market to grow at estimated 7% annually (CAGR) in next 5 years to reach to a market size of over \$500 million. Growth will be driven by more applications of Advanced GMT materials, which will realize double digits growth.

This unique 265 page report from Lucintel provides all the valuable information and tools that you may need in operating your business successfully in the GMT market. In today's global economy, you need every advantage that you can find to keep you ahead in your business. Learn about current trends, identify key players, and explore the directions that the GMT market is heading.

### **Feature of This Report**

To make informed business, investment, or strategic decisions, professionals need timely and accurate information. Lucintel believes "Global Glass Mat Thermoplastics Market 2008–2013: Trend, Forecast, and Opportunity Analysis" fulfills this core requirement. This is a vital reference guide for material suppliers, automotive part manufacturers, investors, researchers, executives, distributors and many others who operate within or follow the composite marketplace. Some of the features of this market report are:

Market size estimates in terms of value (\$) and volume shipment (mill lbs) in various market segments of the Global GMT market.

Regional Analysis: GMT market breakdown by key regions (e.g., North America, Europe and Asia & ROW).

Competitive analysis: Major GMT applications and its competition, major GMT material suppliers and their market shares.

Growth trends for last 5 years and forecasts for next 5 years in terms of dollar shipment and pounds shipment consumed in total GMT market and also for various applications such as headliner, bumper beam, front end carrier, instrument panel, etc.

Materials Analysis: Properties of different GMT materials and comparison with competing materials.

Application Analysis: Lists of GMT applications with descriptions on molder name, OEM, and Auto make.

Over 230 figures/charts and 45 tables in this 265 -page market report to help you make more informed business decisions.



## Contents

### **1. EXECUTIVE SUMMARY**

### **2 GLOBAL GMT MARKET OVERVIEW**

- 2.1 GMT in the Past
- 2.2 GMT at Present
- 2.3 Market Segments
  - 2.3.1 Automotive
  - 2.3.2 Non-Automotive
- 2.4 Key Market Drivers
- 2.5 Supply Chain Shift

### **3 GMT APPLICATIONS**

- 3.1 Automotive Applications
- 3.2 Non-Automotive Applications

### **4 GMT MARKET ANALYSIS**

- 4.1 Global GMT Market
  - 4.1.1 Global GMT Market by Type of GMT Material
  - 4.1.2 Global GMT Market by Market Segments
  - 4.1.3 Global GMT Market by Applications
  - 4.1.4 Global GMT Market by Regions
- 4.2 European GMT Market
  - 4.2.1 European GMT Market by Type of GMT Material
  - 4.2.2 European GMT Market by Market Segments
  - 4.2.3 European GMT Market by Applications
- 4.3 North American GMT Market
  - 4.3.1 North American GMT Market by Type of GMT Material
  - 4.3.2 North American GMT Market by Market Segment
  - 4.3.3 North American GMT Market by Applications
- 4.4 Asia & ROW GMT Market
  - 4.4.1 Asia & ROW GMT Market by Type of GMT Material
  - 4.4.2 Asia & ROW GMT Market by Market Segment
  - 4.4.3 Asia & ROW GMT Market by Applications

## **5 COMPETITIVE ANALYSIS**

### 5.1 Overview

- 5.1.1 Intra-Composites Competition
- 5.1.2 Competition with Other Materials Classes
- 5.1.3 Competition with Price of Other Materials
- 5.1.4 Expanding with New Matrices

### 5.2 Competition by Application

- 5.2.1 Interior Headliners
- 5.2.2 Bumper Beam
- 5.2.3 Underbody System
- 5.2.4 Load Floors/Parcel Shelf

## **6 GMT MATERIALS AND MANUFACTURING PROCESS**

### 6.1 Overview

- 6.1.1 Material Selection Criteria in Various Applications

### 6.2 Types of GMT Materials

- 6.2.1 Traditional GMT
- 6.2.2 Light Weight/Low Density Reinforced Thermoplastics

### 6.3 Manufacturing Process for Making of End Product

- 6.3.1 GMT – Press Forming
- 6.3.2 GMT – Flow Molding
- 6.3.3 Advanced GMT – Thermo-stamping

### 6.4 Reinforcements

- 6.4.1 Continuous Glass Fiber
- 6.4.2 Chopped Glass Fiber Mat
- 6.4.3 Unidirectional Glass Fiber

### 6.5 GMT Blank Sizes

- 6.5.1 Heating GMT Blanks
- 6.5.2 Handling and Loading of GMT Blanks

### 6.6 Press Operations

- 6.6.1 Press Technology
- 6.6.2 Shrinkage and Warpage

### 6.7 Assembly

- 6.7.1 Welding of Parts
- 6.7.2 Gluing of Parts
- 6.7.3 Mechanical Joining of Parts

### 6.8 Finishing of GMT Parts

## **7 GMT MARKET TRENDS**

### 7.1 Overview

### 7.2 Trends in the Global GMT Market

#### 7.2.1 Trends in Global GMT Market by Type of GMT Material

#### 7.2.2 Trends in Global GMT Market by Market Segment

#### 7.2.3 Trends in Global GMT Market by Applications

#### 7.2.4 Trends in Global GMT Market by Region

### 7.3 Trends in European GMT Market

#### 7.3.1 Trends in European GMT Market by Type of GMT Material

#### 7.3.2 Trends in European GMT Market by Market Segment

#### 7.3.3 Trends in European GMT Market by Applications

### 7.4 Trends in North American GMT Market

#### 7.4.1 Trends in North American GMT Market by Type of GMT Material

#### 7.4.2 Trends in North American GMT Market by Market Segment

#### 7.4.3 Trends in North American GMT Market by Applications

### 7.5 Trends in Asia & ROW GMT Market

#### 7.5.1 Trends in Asia & ROW GMT Market by Type of GMT Material

#### 7.5.2 Trends in Asia & ROW GMT Market by Market Segment

#### 7.5.3 Trends in Asia & ROW GMT Market by Applications

## **8 GMT MARKET FORECASTS**

### 8.1 Overview

### 8.2 Key Drivers

### 8.3 Global Market Forecast

#### 8.3.1 Forecast from the Materials Perspective

#### 8.3.2 Forecast - Global GMT Market by Type of Material

#### 8.3.3 Forecast - Global GMT Market by Market Segment

#### 8.3.4 Forecast - Global GMT Market by Application

#### 8.3.5 Forecast – Global GMT Market by Region

### 8.4 Forecast for North American (NA) GMT Market

#### 8.4.1 Forecast - North American GMT Market by Type of Material

#### 8.4.2 Forecast – North American GMT Market by Application

### 8.5 Forecast - European GMT Market

#### 8.5.1 Forecast – European GMT Market by Type of Material

#### 8.5.2 Forecast – European GMT Market by Application

### 8.6 Forecast – Asia & ROW GMT Market

8.6.1 Forecast – Asia & ROW GMT Market by Type of Material

8.6.2 Forecast – Asia & ROW GMT Market by Application

## **9 MOLDERS PROFILE**

### **9.1 AKSYS GMBH**

9.1.1 Key Figures

9.1.2 Company Description

9.1.3 GMT Applications

9.1.4 GMT Parts Manufacturing Plants

9.1.5 Customer Base for GMT Parts

### **9.2 ROCHLING AUTOMOTIVE (SEEBER)**

9.2.1 Key Figures

9.2.2 Company Description

9.2.3 GMT Applications

9.2.4 GMT Parts Manufacturing Plants

### **9.3 REITER**

9.3.1 Key Figures

9.3.2 Company Description

9.3.3 GMT Applications

9.3.4 GMT Parts Manufacturing Plants

9.3.5 Customer Base for GMT Parts

### **9.4 HANWHA L&C**

9.4.1 Key Figures

9.4.2 Company Description

9.4.3 GMT Applications

9.4.4 GMT Parts Manufacturing Plants

9.4.5 Customer Base for GMT Parts

### **9.5 KASAI KOGYO**

9.5.1 Key Figures

9.5.2 Company Description

9.5.3 GMT Applications

9.5.4 GMT Parts Manufacturing Plants

9.5.5 Customer Base for GMT Parts

### **9.6 RANGER SPA**

9.6.1 Key Figures

9.6.2 Company Description

9.6.3 GMT Applications

9.6.4 GMT Parts Manufacturing Plants

9.6.5 Customer Base for GMT Parts

## 9.7 PEGUFORM

9.7.1 GMT Applications

9.7.2 GMT Parts Manufacturing Plants

9.7.3 Customer Base for GMT Parts

## 10 MATERIAL SUPPLIERS

### 10.1 Overview

#### 10.2 QUADRANT AG

10.2.1 Key Figures

10.2.2 Major Market Served

10.2.3 Manufacturing Facilities

10.2.4 Company Description

10.2.5 Product Portfolio

#### 10.3 AZDEL, INC.

10.3.1 Key Figures

10.3.2 Major Market Served

10.3.3 Manufacturing Facilities

10.3.4 Company Description

10.3.5 Product Portfolio

#### 10.4 HANWHA L&C CORPORATION

10.4.1 Key Figures

10.4.2 Major Market Served

10.4.3 Manufacturing Facilities

10.4.4 Company Description

10.4.5 Product Portfolio

#### 10.5 JFE CHEMICAL CORPORATION

10.5.1 Key Figures

10.5.2 Major Market Served

10.5.3 Company Description



## List Of Figures

### LIST OF FIGURES

#### Chapter 1

Fig. 1.1 Global GMT Suppliers – Market Shares in 2007 (Volume Shipment)

Fig. 1.2 Global GMT Market (Mill lbs) by Region in 2008 and 2013

Fig. 1.3 Global GMT Market (\$ Mill) by Region in 2008 and 2013

#### Chapter 3

Fig. 3.1 Underbody System

Fig. 3.2 Engine Noise Shield

Fig. 3.3 Bumper Beam

Fig. 3.4 Interior Headliner

Fig. 3.5 Spare Wheel Well

Fig. 3.6 Load Floor and Trunk Separator

Fig. 3.7 Instrument Panel

Fig. 3.8 Door Module

Fig. 3.9 Front End Carrier (Including Bumper Beam and Other Accessories)

Fig. 3.10 Hatchback Door

Fig. 3.11 Formwork Panel

Fig. 3.12 Utility Pole Cross Bars

Fig. 3.13 Air Conditioner Door

#### Chapter 4

Fig. 4.1 Global GMT Market (Mill \$) by Type of GMT Material in 2007

Fig. 4.2 Global GMT Market (Mill lbs) by Type of GMT Material in 2007

Fig. 4.3 Global GMT Market by Type of Material in 2007

Fig. 4.4 Global GMT Market (Mill \$) by Market Segments in 2007

Fig. 4.5 Global GMT Market (Mill lbs) by Market Segments in 2007

Fig. 4.6 Global GMT Market by Market Segments in 2007

Fig. 4.7 Global Traditional GMT Market (Mill \$) by Market Segments in 2007

Fig. 4.8 Global Traditional GMT Market (Mill lbs) by Market Segments in 2007

Fig. 4.9 Global Traditional GMT Market by Market Segments in 2007

Fig. 4.10 Global Advanced GMT Market (Mill \$) by Market Segments in 2007

Fig. 4.11 Global Advanced GMT Market (Mill lbs) by Market Segments in 2007

Fig. 4.12 Global Advanced GMT Market by Market Segments in 2007

Fig. 4.13 Global GMT Market by Applications in Terms of Mill \$ in 2007

Fig. 4.14 Global GMT Market by Applications in Terms of Mill lbs in 2007

Fig. 4.15 Global GMT Market by Applications in 2007

Fig. 4.16 Global Traditional GMT Market by Applications in Terms of Mill \$ in 2007

- Fig. 4.17 Global Traditional GMT Market by Applications in Terms of Mill lbs in 2007
- Fig. 4.18 Global Traditional GMT Market by Applications in 2007
- Fig. 4.19 Global Advanced GMT Market by Applications in Terms of Mill \$ in 2007
- Fig. 4.20 Global Advanced GMT Market by Applications in Terms of Mill lbs in 2007
- Fig. 4.21 Global Advanced GMT Market by Applications in 2007
- Fig. 4.22 Global GMT Market by Region in Terms of Mill \$ in 2007
- Fig. 4.23 Global GMT Market by Region in Terms of Mill lbs in 2007
- Fig. 4.24 Global Traditional GMT Market by Region in Terms of Mill \$ in 2007
- Fig. 4.25 Global Traditional GMT Market by Region in Terms of Mill lbs in 2007
- Fig. 4.26 Global Advanced GMT Market by Region in Terms of Mill \$ in 2007
- Fig. 4.27 Global Advanced GMT Market by Region in Terms of Mill lbs in 2007
- Fig. 4.28 Global GMT Market (Mill lbs) by Region in 2007
- Fig. 4.29 European GMT Market by Type of GMT Material in Terms of Mill \$ in 2007
- Fig. 4.30 European GMT Market by Type of GMT Material in Terms of Mill lbs in 2007
- Fig. 4.31 European GMT Market by Type of GMT Material in 2007
- Fig. 4.32 European GMT Market by Market Segments in Terms of Mill \$ in 2007
- Fig. 4.33 European GMT Market by Market Segments in Terms of Mill lbs in 2007
- Fig. 4.34 European GMT Market by Market Segments in 2007
- Fig. 4.35 European Traditional GMT Market (Mill \$) by Market Segments in 2007
- Fig. 4.36 European Traditional GMT Market (Mill lbs) by Market Segments in 2007
- Fig. 4.37 European Traditional GMT Market by Market Segments in 2007
- Fig. 4.38 European Advanced GMT Market by Market Segments in 2007
- Fig. 4.39 European GMT Market by Applications in Terms of Mill \$ in 2007
- Fig. 4.40 European GMT Market by Applications in Terms of Mill lbs in 2007
- Fig. 4.41 European GMT Market by Applications in 2007
- Fig. 4.42 European Traditional GMT Market by Applications in Terms of Mill \$ in 2007
- Fig. 4.43 European Traditional GMT Market by Applications in Terms of Mill lbs in 2007
- Fig. 4.44 European Traditional GMT Market by Applications in 2007
- Fig. 4.45 European Advanced GMT Market by Applications in Terms of Mill \$ in 2007
- Fig. 4.46 European Advanced GMT Market by Applications in Terms of Mill lbs in 2007
- Fig. 4.47 European Advanced GMT Market by Applications in 2007
- Fig. 4.48 North American GMT Market (Mill \$) by Type of GMT Material in 2007
- Fig. 4.49 North American GMT Market (Mill lbs) by Type of GMT Material in 2007
- Fig. 4.50 North American GMT Market by Type of GMT Material in 2007
- Fig. 4.51 North American GMT Market by Market Segments in Terms of Mill \$ in 2007
- Fig. 4.52 North American GMT Market by Market Segments in Terms of Mill lbs in 2007
- Fig. 4.53 North American GMT Market by Market Segments in 2007
- Fig. 4.54 North American Traditional GMT Market (Mill \$) by Market Segments in 2007
- Fig. 4.55 North American Traditional GMT Market (Mill lbs) by Market Segments in 2007

- Fig. 4.56 North American Traditional GMT Market by Market Segments in 2007
- Fig. 4.57 North American Advanced GMT Market (Mill \$) by Market Segments in 2007
- Fig. 4.58 North American Advanced GMT Market (Mill lbs) by Market Segments in 2007
- Fig. 4.59 North American Advanced GMT Market by Market Segments in 2007
- Fig. 4.60 North American GMT Market (Mill \$) by Applications in 2007
- Fig. 4.61 North American GMT Market (Mill lbs) by Applications in 2007
- Fig. 4.62 North American GMT Market by Applications in 2007
- Fig. 4.63 North American Traditional GMT Market (Mill \$) by Applications in 2007
- Fig. 4.64 North American Traditional GMT Market (Mill lbs) by Applications in 2007
- Fig. 4.65 North American Traditional GMT Market by Applications in 2007
- Fig. 4.66 North American Advanced GMT Market (Mill \$) by Applications in 2007
- Fig. 4.67 North American Advanced GMT Market (Mill lbs) by Applications in 2007
- Fig. 4.68 North American Advanced GMT Market by Applications in 2007
- Fig. 4.69 Asia & ROW GMT Market by Type of GMT Material in Terms of Mill \$ in 2007
- Fig. 4.70 Asia & ROW GMT Market by Type of GMT Material in Terms of Mill lbs in 2007
- Fig. 4.71 Asia & ROW GMT Market by Type of GMT Material in 2007
- Fig. 4.72 Asia & ROW GMT Market by Market Segments in Terms of Mill \$ in 2007
- Fig. 4.73 Asia & ROW GMT Market by Market Segments in Terms of Mill lbs in 2007
- Fig. 4.74 Asia & ROW GMT Market by Market Segments in 2007
- Fig. 4.75 Asia & ROW Traditional GMT Market (Mill \$) by Market Segments in 2007
- Fig. 4.76 Asia & ROW Traditional GMT Market (Mill lbs) by Market Segments in 2007
- Fig. 4.77 Asia & ROW Traditional GMT Market by Market Segments in 2007
- Fig. 4.78 Asia & ROW Advanced GMT Market by Market Segments in 2007
- Fig. 4.79 Asia & ROW GMT Market by Applications in Terms of Mill \$ in 2007
- Fig. 4.80 Asia & ROW GMT Market by Applications in Terms of Mill lbs in 2007
- Fig. 4.81 Asia & ROW GMT Market by Applications in 2007
- Fig. 4.82 Asia & ROW Traditional GMT Market (Mill \$) by Applications in 2007
- Fig. 4.83 Asia & ROW Traditional GMT Market (Mill lbs) by Applications in 2007
- Fig. 4.84 Asia & ROW Traditional GMT Market by Applications in 2007
- Fig. 4.85 Asia & ROW Advanced GMT Market by Applications in Terms of Mill \$ in 2007
- Fig. 4.86 Asia & ROW Advanced GMT Market by Applications in Terms of Mill lbs in 2007
- Fig. 4.87 Asia & ROW Advanced GMT Market by Applications in 2007
- Chapter 5
- Fig. 5.1 Interior Headliner
- Fig. 5.2 NA Auto Interior Headliner Market in 2007
- Fig. 5.3 Global Auto Interior Headliner Market in 2007
- Fig. 5.4 Global Auto Bumper Beam Market in 2007

Fig. 5.5 Underbody System

Fig 5.6 Wood Board Load Floor – 2007 Ford Expedition

Fig. 5.7 Self Reinforced Twin Wall PP Composite for Load Floors

Fig. 5.8 EPP Based Composite – BASF & Georgia Pacific

Fig. 5.9 Natural Fiber Load Floor Composite – 07 Porsche Cayenne

Fig. 5.10 GMT Load Floor Composite – 07 Jeep Cherokee

Fig. 5.11 SRIM Load Floor Composite – 06 Town and Country

Chapter 6

Fig 6.1 Loft vs. Area Weight of Advanced GMT Materials

Fig.6.2 Processing / Material Matrix by Application

Chapter 7

Fig. 7.1 Trend in Traditional GMT Material Shipment (% CAGR) in Global GMT Market (1987–2007)

Fig. 7.2 Cumulative Annual Growth Rate by Type of GMT Material 2002–2007

Fig. 7.3 Global GMT Market (\$ Mill) by Type of GMT Material in 2002 and 2007

Fig. 7.4 Global GMT Market (Mill lbs) by Type of GMT Material in 2002 and 2007

Fig. 7.5 CAGR by Global GMT Market Segment for the Period of 2002–2007

Fig. 7.6 The Global GMT Market by Market Segments in Terms of \$ in 2002

Fig. 7.7 The Global GMT Market by Market Segments in Terms of lbs in 2002

Fig. 7.8 Global Traditional GMT Market (\$ Mill) by Market Segments in 2002 and 2007

Fig. 7.9 Global Traditional GMT Market (Mill lbs) by Market Segments in 2002 and 2007

Fig. 7.10 The Global Advanced GMT Market by Market Segments in Terms of \$ in 2002

Fig. 7.11 The Global Advanced GMT Market by Market Segments in Terms of lbs in 2002

Fig. 7.12 Global GMT Market (\$ Mill) by Application in 2002 and 2007

Fig. 7.13 Global GMT Market (Mil lbs) by Application in 2002 and 2007

Fig. 7.14 CAGR by Global GMT Application for the Period of 2002–2007

Fig. 7.15 Global Traditional GMT Market (\$ Mill) by Applications in 2002 and 2007

Fig. 7.16 Global Traditional GMT Market (Mil lbs) by Application in 2002 and 2007

Fig. 7.17 CAGR in Global Traditional GMT Applications for the Period of 2002–2007

Fig. 7.18 The Advanced GMT Market (\$ Mill) by Applications in 2002 and 2007

Fig. 7.19 The Advanced GMT Market (Mill lbs) by Applications in 2002 and 2007

Fig. 7.20 CAGR by Global Advanced GMT Applications for the Period of 2002–2007

Fig. 7.21 Global GMT Market (\$ Mill) by Region in 2002 and 2007

Fig. 7.22 Global GMT Market (Mill lbs) by Region in 2002 and 2007

Fig. 7.23 CAGR – Global GMT Market by Region for the Period of 2002–2007

Fig. 7.24 Global Traditional GMT Market (\$ Mill) by Region in 2002 and 2007

Fig. 7.25 Global Traditional GMT Market (Mill lbs) by Region in 2002 and 2007

Fig. 7.26 CAGR – Global Traditional GMT Market by Region for the Period of

2002–2007

Fig. 7.27 Global Advanced GMT Market (\$ Mill) by Region in 2002 and 2007

Fig. 7.28 Global Advanced GMT Market (Mill lbs) by Region in 2002 and 2007

Fig. 7.29 CAGR – Global Advanced GMT Market by Region for the Period of 2002–2007

Fig. 7.30 CAGR by Type GMT Material in European GMT Market 2002–2007

Fig. 7.31 European GMT Market by Type of GMT Material in Terms of \$ in 2002

Fig. 7.32 European GMT Market by Type of GMT Material in Terms of \$ in 2007

Fig. 7.33 CAGR – GMT Material (Mil lbs) by Market Segment in European GMT Market 2002–2007

Fig. 7.34 European GMT Market (\$ Mill) by Market Segment in 2002 and 2007

Fig. 7.35 European GMT Market (Mill lbs) by Market Segment in 2002 and 2007

Fig. 7.36 European Traditional GMT Market (\$ Mill) by Market Segment in 2002 and 2007

Fig. 7.37 European Traditional GMT Market (Mill lbs) by Market Segment in 2002 and 2007

Fig. 7.38 European GMT market (\$ Mill) by Application in 2002 and 2007

Fig. 7.39 European GMT market (Mill lbs) by Application in 2002 and 2007

Fig. 7.40 European Traditional GMT Market (\$ Mill) by Application in 2002 and 2007

Fig. 7.41 European Traditional GMT Market (Mill lbs) by Application in 2002 and 2007

Fig. 7.42 European Advanced GMT Market (\$ Mill) by Application in 2002 and 2007

Fig. 7.43 European Advanced GMT market (Mil lbs) by Application in 2002 and 2007

Fig. 7.44 CAGR – NA GMT Market by Type of Material 2002–2007

Fig. 7.45 North American GMT Market (\$ Mill) by Type of GMT Material in 2002 and 2007

Fig. 7.46 North American GMT Market (Mill lbs) by Type of GMT Material in 2002 and 2007

Fig. 7.47 CAGR – NA GMT Market (Volume Shipment) by Market Segment 2002–2007

Fig. 7.48 North American GMT Market (\$ Mill) by Market Segment in 2002 and 2007

Fig. 7.49 North American GMT Market (Mill lbs) by Market Segment in 2002 and 2007

Fig. 7.50 North American Traditional GMT Market (\$ Mill) by Market Segment in 2002 and 2007

Fig. 7.51 North American Traditional GMT Market (Mill lbs) by Market Segment in 2002 and 2007

Fig. 7.52 North American Advanced GMT Market (\$ Mill) by Market Segment in 2002 and 2007

Fig. 7.53 North American Advanced GMT Market (Mill lbs) by Market Segment in 2002 and 2007

Fig.7.54 NA GMT Market (\$ Mill) by Application in 2002 and 2007



Fig.7.55 NA GMT Market (Mill lbs) by Application in 2002 and 2007

Fig. 7.56 NA Traditional GMT Market (\$ Mill) by Application in 2002 and 2007

Fig. 7.57 NA Traditional GMT Market (Mill lbs) by Application in 2002 and 2007

Fig. 7.58 North American Advanced GMT Market (\$ Mill) by Application in 2002 and 2007

Fig. 7.59 North American Advanced GMT Market (Mill lbs) by Application in 2002 and 2007

Fig. 7.60 CAGR by Type of Material (Volume Shipment) in Asia & ROW for the Period of 2002–2007

Fig. 7.61 Asia & ROW GMT Market (\$ Mill) by Type of GMT Material in 2002 and 2007

Fig. 7.62 Asia & ROW GMT Market (Mill lbs) by Type of GMT Material in 2002 and 2007

Fig. 7.63 CAGR Asia & ROW GMT Market (Mil lbs) by Market Segment for the Period of 2002–2007

Fig. 7.64 Asia & ROW GMT Market (\$ Mill) by Market Segment in 2002 and 2007

Fig. 7.65 Asia & ROW GMT Market (Mill lbs) by Market Segment in 2002 and 2007

Fig. 7.66 Asia & ROW Traditional GMT Market (\$ Mill) by Market Segment in 2002 and 2007

Fig. 7.67 Asia & ROW Traditional GMT Market (Mill lbs) by Market Segment in 2002 and 2007

Fig. 7.68 Asia & ROW GMT Market (\$ Mil) by Application in 2002 and 2007

Fig. 7.69 Asia & ROW Total GMT Market (Mill lbs) by Application in 2002 and 2007

Fig. 7.70 Asia & ROW Traditional GMT Market (\$ Mil) by Application in 2002 and 2007

Fig. 7.71 Asia & ROW Traditional GMT Market (Mil lbs) by Application in 2002 and 2007

Fig. 7.72 Asia & ROW Advanced GMT Market (\$ Mil) by Application in 2002 and 2007

Fig. 7.73 Asia & ROW Advanced GMT Market (Mil lbs) by Application in 2002 and 2007

## Chapter 8

Fig. 8.1 Forecast – Global GMT Market (Mill \$) by Type of Material in 2008 and 2013

Fig. 8.2 Forecast – Global GMT Market (Mill lbs) by Type of Material in 2008 and 2013

Fig. 8.3 Forecast CAGR – Global GMT Market (Mill lbs) by Type of Material 2008–2013

Fig. 8.4 Forecast – Global GMT Market (Mill \$) by Market Segment in 2008

Fig. 8.5 Forecast – Global GMT Market (Mill \$) by Market Segment in 2013

Fig. 8.6 Forecast – Global GMT Market (Mill lbs) by Market Segment in 2008

Fig. 8.7 Forecast – Global GMT Market (Mill lbs) by Market Segment in 2013

Fig. 8.8 Forecast CAGR – Global GMT Market (Volume Shipment) by Market Segment during 2008–2013

Fig. 8.9 CAGR – Global GMT Market by Application 2008–2013

Fig. 8.10 Forecast – Global GMT Market (Mill \$) by Application in 2008 and 2013

Fig. 8.11 Forecast – Global GMT Market (Mill lbs) by Application in 2008 and 2013

Fig. 8.12 Forecast – Global Traditional GMT Market (Mill \$) by Application in 2008 and 2013

2013

Fig. 8.13 Forecast – Global GMT Traditional Market (Mill lbs) by Application in 2008 and 2013

Fig. 8.14 Forecast – Global Advanced GMT Market (Mill \$) by Application in 2008 and 2013

Fig. 8.15 Forecast – Global Advanced GMT Market (Mill lbs) by Application in 2008 and 2013

Fig. 8.16 Forecast – Global GMT Market (Mill \$) by Region in 2008 and 2013

Fig. 8.17 Forecast – Global GMT Market (Mill lbs) by Region in 2008 and 2013

Fig. 8.18 Forecast – Global Traditional GMT Market (Mill \$) by Region in 2008 and 2013

Fig. 8.19 Forecast – Global Traditional GMT Market (Mill lbs) by Region in 2008 and 2013

Fig. 8.20 Forecast – Global Advanced GMT Market (Mill \$) by Region in 2008 and 2013

Fig. 8.21 Forecast – Global Advanced GMT Market (Mill lbs) by Region in 2008 and 2013

Fig. 8.22 Forecast – North American GMT Market (Mill \$) by Type of Material in 2008 and 2013

Fig. 8.23 Forecast – North American GMT Market (Mill lbs) by Type of Material in 2008 and 2013

Fig. 8.24 Forecast – North American GMT Market (Mill \$) by Application in 2008 and 2013

Fig. 8.25 Forecast – North American GMT Market (Mill lbs) by Application in 2008 and 2013

Fig. 8.26 Forecast – North American Traditional GMT Market (Mill \$) by Application in 2008 and 2013

Fig. 8.27 Forecast – North American Traditional GMT Market (Mill lbs) by Application in 2008 and 2013

Fig. 8.28 Forecast – North American Advanced GMT Market (Mill \$) by Application in 2008 and 2013

Fig. 8.29 Forecast – North American Advanced GMT Market (Mill lbs) by Application in 2008 and 2013

Fig. 8.30 Forecast – European GMT Market (Mill \$) by Type of Material in 2008 and 2013

Fig. 8.31 Forecast – European GMT Market (Mill lbs) by Type of Material in 2008 and 2013

Fig. 8.32 Forecast – European GMT Market (Mill \$) by Type of Application in 2008 and 2013

Fig. 8.33 Forecast – European GMT Market (Mill lbs) by Type of Application in 2008 and 2013

Fig. 8.34 Forecast – European Traditional GMT Market (\$ Mill) by Type of Application in 2008 and 2013

Fig. 8.35 Forecast – European Traditional GMT Market (Mill lbs) by Type of Application in 2008 and 2013

Fig. 8.36 Forecast – European Advanced GMT Market (Mill \$) by Type of Application in 2008 and 2013

Fig. 8.37 Forecast – European Advanced GMT Market (Mill lbs) by Type of Application in 2008 and 2013

Fig. 8.38 Forecast – Asia & ROW GMT Market (Mill \$) by Type of Material in 2008 and 2013

Fig. 8.39 Forecast – Asia & ROW GMT Market (Mill lbs) by Type of Material in 2008 and 2013

Fig. 8.40 Forecast – Asia & ROW GMT Market (Mill \$) by Application in 2008 and 2013

Fig. 8.41 Forecast – Asia & ROW GMT Market (Mill lbs) by Application in 2008 and 2013

Fig. 8.42 Forecast – Asia & ROW Traditional GMT Market (Mill \$) by Application in 2008 and 2013

Fig. 8.43 Forecast – Asia & ROW Traditional GMT Market (Mill lbs) by Application in 2008 and 2013

Fig. 8.44 Forecast – Asia & ROW Advanced GMT Market (Mill \$) by Application in 2008 and 2013

Fig. 8.45 Forecast – Asia & ROW Advanced GMT Market (Mill lbs) by Application in 2008 and 2013

## Chapter 9

Fig. 9.1 Market Shares – Global GMT Molders in 2007

## Chapter 10

Fig. 10.1 Industry Players in the Past and at Present

Fig. 10.2 Global GMT Suppliers – Market Shares in 2007 (Volume Shipment)



## List Of Tables

### LIST OF TABLES

#### Chapter 1

Table 1.1 Global GMT Market by Type of Material in 2007

Table 1.2 Global GMT Market by Market Segment in 2007

Table 1.3 Global GMT Market by Applications in 2007

Table 1.4 Global GMT Market by Region in 2007

Table 1.5 Global GMT Market by Type of Material in 2002 and 2007

Table 1.6 Global GMT Market by Market Segment in 2002 and 2007

Table 1.7 Global GMT Market by Application in 2002 and 2007

Table 1.8 Global GMT Market by Region in 2002 and 2007

Table 1.9 Global GMT Market by Material in 2008 and 2013

Table 1.10 Global GMT Market by Application in 2008 and 2013

Table 1.11 Global GMT Market by Region in 2008 and 2013

#### Chapter 2

Table 2.1 History of the Development of GMT

#### Chapter 3

Table 3.1 Underbody System by Vehicle Model

Table 3.2 Bumper Beam by Vehicle Model

Table 3.3 Interior Headliners by Vehicle Model

Table 3.4 Spare Wheel Well by Vehicle Model

Table 3.5 Load Floor by Vehicle Model

Table 3.6 Instrument Panel by Vehicle Model

Table 3.7 Door Module by Vehicle Model

Table 3.8 Front End Carrier by Vehicle Model

#### Chapter 6

Table 6.1 Quadrant Advanced GMT Materials Specifics

Table 6.2 AZDEL Advanced GMT Materials Specifics

Table 6.3 GMT Material Basic Properties

Table 6.4 Material Properties – LFT vs. Advanced GMT

Table 6.5 GMT Oven Manufacturers

Table 6.6 GMT Press Manufacturers

#### Chapter 7

Table: 7.1 Global GMT Market by Type of Material in 2002 and 2007

Table: 7.2 Global GMT Market by Market Segment in 2002 and 2007

Table: 7.3 Global Traditional GMT Market by Market Segment in 2002 and 2007

Table: 7.3 Global Advanced GMT Market by Market Segment in 2002 and 2007

## Chapter 8

Table 8.1 Global GMT Market (in \$ Mill) by Application 2008–2013

Table 8.2 Growth Rates in Global GMT Market (in Mill lbs) by Application 2008–2013

Table 8.3 Growth Rates (Volume Shipment) by Type of Material in Various Regions

Table 8.4 Growth Rates (Volume Shipment) – North American GMT Market by Materials

Table 8.5 North American GMT Market by Type of Material in 2008 and 2013

Table 8.6 Growth Rates (Volume Shipment) – North American GMT Market by Application

Table 8.7 North American GMT Market by Application in 2008 and 2013

Table 8.8 North American GMT Market (\$ Mill) by Application in 2008 and 2013

Table 8.9 North American Traditional GMT Market (\$ Mill) by Application in 2008 and 2013

Table 8.10 North American Advanced GMT Market (\$ Mill) by Application in 2008 and 2013

Table 8.11 Growth Rates (Volume Shipment) – European GMT Market by Material

Table 8.12 Growth Rates (Volume Shipment) – European GMT Market by Major Applications

Table 8.13 European Traditional GMT Market (\$ Mill) by Application in 2008 and 2013

Table 8.14 European Advanced GMT Market (\$ Mill) by Application in 2008 and 2013

Table 8.15 Growth Rates (Volume Shipment) – Asia & ROW GMT Market by Type of Materials

Table 8.16 Asia & ROW Traditional GMT Market (\$ Mill) by Application in 2008 and 2013

Table 8.17 Asia & ROW Advanced GMT Market (\$ Mill) by Application in 2008 and 2013

## I would like to order

Product name: Global Glass Mat Thermoplastics Market 2012-2017: Trend, Forecast, and Opportunity Analysis, September 2012

Product link: <https://marketpublishers.com/r/G4441B0D0D7EN.html>

Price: US\$ 3,900.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G4441B0D0D7EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

