# Freedonia Private Companies Report #1144

### **Reinforced Plastics**

Report Publication Date: July 1999 Price: \$3,000 Pages: 239 Hundreds of private companies are active in the U.S. reinforced plastics industry.

*Reinforced Plastics - Private Companies Report* profiles more than 140 private U.S. producers of reinforced plastics. This information will assist you as a valuable decision making tool for acquisitions, joint ventures and cooperative agreements.

Examine the report highlights, sample pages and table of contents on the following pages and see how *Reinforced Plastics -Private Companies Report* can serve as a valuable decision making tool for your company.

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### List of Contents, Tables and Charts

This new report profiles more than 140 privately-held reinforced plastics companies and encompasses compounders and processors of thermoset and thermoplastic reinforced with glass, carbon, aramid, boron and other fiber materials. Firms which compound and/or process reinforced plastics for use in their own products or components are also included.



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### Companies Profiled

\* Sample profiles on pages 4 and 5

Accurate Plastics Incorporated Adell Plastics Incorporated The Advanced Composites Group Inc. Advanced Fiber Products Albis North America Alloy Polymers Incorporated Amalga Composites Incorporated Amco Plastic Materials Incorporated American Acrylic Corporation American Polymers Incorporated American Technologies & Research Ind. Anholt Technologies Incorporated Arrowhead Plastic Engineering Ashley Polymers Incorporated Aurora Flight Sciences of West Virginia Inc. Axson North America Incorporated **BC** Composites Bedford Reinforced Plastics Incorporated Bohn Fiberglass Industries Incorporated Burnham Products Incorporated Caine Corporation **Cambridge Industries** Centek Industries Incorporated Certified Thermoplastics Company Inc. **Champion Fiberglass C-K** Composites Comfort Line Incorporated American Pultrusions Incorporated **Complastik Corporation** Composiflex Incorporated Composite Engineering Incorporated Composite Optics Incorporated Composite Process Equipment Inc. **Composite Solutions** Composite Structures LC Cortech Plastics Incorporated Creative Pultrusions Incorporated CTL Aerospace Incorporated Danner Corporation Dasco Pro Incorporated DFI Pultruded Composites Incorporated **Dimco-Gray Company** Ebert Composites Corporation Elm Industries Incorporated Enduro Systems Incorporated Fiber Innovations Incorporated Fiberflex Incorporated

Fiberset Incorporated Fibertech Incorporated Foster Corporation FRC Component Products General Plastics & Rubber Company Inc. Gill (MC) Corporation GI Plastek Incorporated Glasforms Incorporated Goetz Marine Technology Goldsworthy and Associates Gordon Composites Incorporated Grand Rapids Plastics Incorporated Hadlock Plastics Corporation Hanlon Industries Incorporated Hartzell Propeller Incorporated Hasbrouck Plastics Incorporated Hastings Plastic Company Haysite Reinforced Plastics Hitech Polymers Incorporated Hughes Brothers Incorporated HyComp Incorporated **ICLEngineeringLimited** Insulfab Plastics Incorporated International Grating Incorporated International Polymers Corporation Interplastic Corporation Iten Industries Incorporated Janco Products Incorporated J-Von NA LLC Kaiser Compositek Incorporated Kasha Industries Incorporated Lawrie Technology Incorporated MacLean-Fogg Company Precision Fiberglass Industries Mar-Bal Incorporated Marvin Lumber & Cedar Company The Matrixx Group Incorporated Replas Incorporated McCann Plastics Incorporated McClarin Plastics Incorporated Miller (J.) Industries Incorporated Miniature Precision Components Inc. Molded Fiber Glass Companies Molded Fiber Glass Tray Company Montsinger Technologies Incorporated MRC Polymers Incorporated Muehlstein (H.) and Company Inc. Network Polymers Incorporated **Diamond Polymers Incorporated** New Age Industries The NORDAM Group Incorporated NUPLA Corporation NVF Company Omega Polymer Technologies Incorporated Carsonite Viking Plastics **Omniglass Limited** Osterman & Company **Engineered Polymers Industries** Fiber Concepts Incorporated **Outboard Marine Corporation** 

Chris-Craft Industries Incorporated Four Winns Incorporated Hydra-Sports Corporation Stratos Boats Incorporated Parkway Products Incorporated perSPEC Engineered Plastics Plastic Engineered Products Inc. Plastic Fabricating Company Plastics Engineering Company (Plenco) The Plastics Group of America Polifil Plastigage Corporation Polygon Company Polymer Resources Limited Polyply Composites Incorporated Premix Incorporated Quantum Composites Incorporated Production Products Incorporated PTA Corporation PUPI Enterprises LLC RCO Engineering Incorporated Resinoid Engineering Corporation **RheTech Incorporated RPEngineering Incorporated RTP** Company Seasafe Incorporated Seymour Manufacturing Company Inc. Structron Corporation SPARTA Incorporated Spaulding Composites Company Inc. Specmat Technologies Incorporated Stevens Products Incorporated Strongwell (formerly Morrison) Structural Composites Incorporated Sunrez Corporation Superior Fibers Incorporated Synthetic Rubber Technologies Inc. **TEEL Plastics Incorporated Tessy Plastics Corporation TP** Composites Incorporated **TPI** Composites Incorporated **TPM2** Incorporated Thermoplastic Pultrusions Inc. Valley Plastic Molding Company **Boonton Plastic Molding** Buckeye Polymers Incorporated Venture Holdings Trust Vermont Composites Incorporated Washington Penn Plastic Company Inc. Werner Company Westlake Plastics Company World Class Plastics Incorporated Xerxes Corporation Heil Process Equipment Proform Company Zehrco Plastics Incorporated

### **Detailed** Company Profile

More than 140 private **PRIVATE COMPANY PROFILES** company profiles are compiled and range from detailed to Strongwell 400 Commonwealth Avenue brief company descriptions. Bristol, VA 24203 (See Samples) County: Bristol County Code: 51520 All companies are individu-Phone: 540-645-8000 Fax: 540-645-8132 ally contacted and the Web Address: http://www\_ctrongwell.com majority of the companies PROFILES Annual Sales: verify the data. SAMPLE PROFILE Employment. Key Executive: Hard to obtain sales and Key Products: fiberglass-reinforced thermoset plastic structural shapes and employment figures, key components, pultrusion machinery and polymer concrete products and services and cts Census Code SIC(s): 3082; 3086; 3089; 3559 an overview of corporate nd operations are provided. SIC Description(s): unsupported plastic profile shapes; plastic foam products; miscellaneous plastic products; miscellaneous special industry machinery ·om Strongwell, formerly known as Morrison Molded Fiber Glass Company, pultrudes the reinforced thermoset plastics and fabricates structures utilizing pultruded duct thermoset components. The Company's product range includes fiberglassle reinforced structural shapes and components, pultrusion machinery and polymer concrete. Strongwell operates through four divisions: Bristol (Bristol, Virginia), resin Chatfield (Chatfield, Minnesota), Lenoir City (Lenoir City, Tennessee) and San ass Jose (San Jose, California). The Lenoir City and San Jose locations, formerly the two facilities of the Quazite division, manufacture polymer concrete products marketed under the QUAZITE, POLYCAST, POLY-BLOK and STAFORM brand a1names. Additionally, Strongwell operates a joint venture called Strongwell-Ebert © Copyright by The Freedonia Group, Inc. stics constructed of isophthalic polyester resins; series 525 EXTREN materials feature fire retardant isophthalic polyester resin systems with an ultraviolet (UV) inhibitor; and series 625 products are vinyl ester resin materials that are both fire retardant and highly corrosion resistant. SAFPLATE fiberglass gritted plate is a tough, corrosion- and slip-resistant floor © Copyright by The Freedonia Group, Inc. (continued)

# Brief Company Profile

These profiles give you insight into the operations of private companies, and can help you:

- Identify companies for investment, merger, and/or acquisition opportunities based on size, products, and location.
- Evaluate the position of your competitors based on sales and/or employment figures.

#### PRIVATE COMPANY PROFILES

#### **Bedford Reinforced Plastics Incorporated**

264 Reynoldsdale Road Bedford, PA 15522 County: Bedford County Code: 42009

Phone: 814-623-8125 Fax: 814-623-6032 Web Address: http://www.wics.com

Annual Sales: Employment: Key Executive:

#### **PRIVATE COMPANY PROFILES**

iding profiles, tubes and rods

ofile shapes; miscellaneous plastic

**RP Engineering Incorporated** 109 Main Street Morton, PA 19070 County: Delaware County Code: 42045

Phone: 610-544-7577 Fax: 610-544-3995

Annual Sales: Employment: Key Executive:

Key Products: custom molding, engineering, design and manufacture of reinforced plastics and fiberglass products

Census Code SIC(s): 3083; 3089

SIC Description(s): laminated plastic plate, sheet and profile shapes; miscellaneous plastic products

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einforced pultruded plastic parts ompany's products are pultruded sins with glass fiber reinforcements, s used. Bedford serves a variety of control, civil infrastructure, construcnt equipment, electrical/electronic ransportation and wastewater treatre feet of production space with twelve lvania facility. A 12,000-square-foot ljacent to the manufacturing plant.

### Market Overview

The Market Overview Section discusses factors influencing demand, including construction trends and the outlook for motor vehicles.

This information helps you:

- Determine what external factors will impact future demand.
- Measure your market and sales potential based on demand forecasts.
- Propose new areas for product development based on market trends & innovations.



Thermoset polyester is the dominant resin used in reinforced thermoset plastics, largely due to its low cost and application flexibility. Other reinforced thermoset plastics, which are used in significantly lower volumes, include epoxies, phenolics, silicones and melamines. Demand for reinforced epoxies, however, is growing at a faster rate, although from a much smaller base, than reinforced polyester. Reinforced thermoset polyester is still dominant over other reinforced plastics in many markets, particularly construction, marine and aerospace. Overall, reinforced thermoset plastics will see their fastest gains in the motor vehicle and

FAC	CTORS AFFECTING REINFORCED THERM	<b>IOSETS DEMAND BY RESIN</b>
Resin	Factors Driving Demand	Factors Restraining Demand
Polyester	Continued displacement of competitive materials such as aluminum and wood.	Competition from reinforced thermoplastic resins.
	Low cost and good weather, heat and corrosion resistance, and good strength-to-weight ratio.	Market saturation in consumer durables.
	Increased demand in key application markets: construction, automotive and marine.	
Epoxy	Continued displacement of competitive materials such as aluminum and steel.	Competition from thermoset polyester.
	Good thermal and electrical properties, excellent chemical and corrosion resistance, dimensional stability, excellent fiber adhesion and low shrinkage.	applications such as storage tanks and pipes.
	Continued expansion of leading applications such as electronic laminates and aerospace	
	products.	(continued)

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### Industry Structure

Gain a better understanding of your competition and analyze your company's position in the industry with information about the characteristics of leading reinforced plastics manufacturers including total sales, capabilities and regional concentration.

This information helps you:

- Evaluate diversification opportunities based on product lines of other private companies.
- Understand barriers to entry based on industry concentration.
- Develop positioning strategies based on size of competitors.

#### INDUSTRY STRUCTURE

#### Reinforced Thermoplastic Compounders & Processors

While demand for reinforced trails that of reinforced rough 2003. Reinthermosets, this segment i SAMPLE PAGE forced thermoplastic resi ypropylene, nylon, styrenics, polycarbonate a as polyvinyl chloride, polyethylene, polyimides and p reinforcements including glass, carbon, aramid and boron fibers. A variety of private companies participate as reinforced thermoplastic compounders and processors, ranging from smaller single location processors to large, diversified product or component manufacturers. For example, Centek, with an estimated \$5 million in annual sales, specializes in the production of fiberglass-reinforced acrylonitrile butadiene styrene wet marine exhaust mufflers and systems and has some custom processing capabilities for this material. Miniature Precision Components, with \$110 million in annual sales, produces a variety of reinforced thermoplastics at its five plants in the US, Mexico and the United Kingdom for use in its automotive components.

A number of private reinforced thermoplastic compounders also diversify

Selected Private Reinforced Thermoplastic Compounders & Processors Company	Corporate Sales* (mil S)	Resins						Reinforce- ment			Processing					
		Nylon	Polycarbonate	Polyester	Polypeopylene	Styrenics	Other	Carbon Fiber	Glass Fiber	Other	Filament Winding	Hand/Spray Lay-Up	Molding	Pultrusion	Other/Unspecified	
Accurate Plastics	8	•	•			•	•	•	•	•	111					
Adell Plastics	30	•			•	•	•		•		711					
Albis North America	45	٠				•		٠								
Alloy Polymers	15	٠	•	•		•	•	•		•	511					
Amco Plastic Materials	20	٠				•										
American Polymers	55	٠	•		•	٠				•						
Anholt Technologies	1			٠			•	٠	•	•	88	٠	•		•	
Arrowhead Plastic	10						•				66	٠		٠		
Ashley Polymers							•		•				•			
Bohn Fiberglass Industrie	Fiberglass Industrie SAMPLE CHART						•					٠	•	٠	•	
Buckeye Polymers					•	٠	•								•	
Cambridge Industries					•						16		٠		•	
Centek Industries	5							1.1								

## Report Highlights

- Hundreds of private companies participate in the \$4.3 billion reinforced plastics market, primarily as independent and captive compounders and processors, and product fabricators.
- Ten private independent reinforced plastic compounders and processors each have total sales of at least \$50 million.
- Small private companies are able to compete in this industry because of low barriers to entry and opportunities for geographic, customized and other niche marketing.
- Despite the fragmented nature of the reinforced plastics market, private firms face increasing competition due to the inclination among customers toward one-stop-shopping that is driving a vertical integration trend.
- California has the highest concentration of private compounding and processing facilities with more than 150, followed by Texas with over 100.
- U.S. reinforced plastics volume demand is forecast to grow 303 percent annually through 2003 to more than four billion pounds.

### About The Freedonia Group

The Freedonia Group, Inc. is a leading international industry report/ database company.

Since 1985, Freedonia has published over 1,400 titles covering areas such as building materials, chemicals, plastics, industrial components and equipment, household goods, coatings and adhesives, health care, packaging, security, and many other industries.

Private companies reports encompass not only Freedonia's notable industry forecasts, but also market shares, product information and sales and employment figures for **private companies**. Corporate analysts are constantly monitoring privately-held companies to provide the most up-to-date and comprehensive profiles. Freedonia is able to gather and prepare this proprietary information based on our reputation as a leading market research firm.

By obtaining Freedonia's report on private companies in the reinforced plastics industry, you will be able to:

- Identify companies for possible investment, merger, and /or acquisition opportunities based on size, products and location.
- Measure your market and sales potential based on demand forecasts.
- **Propose new areas for product development** based on material trends.
- **Develop positioning strategies** based on size and geographic location of competitors.
- Evaluate diversification opportunities based on product lines of other private companies.
- Understand barriers to entry based on industry concentration and market shares.

### **Our Customers**

Freedonia's clients include major US and international companies in the manufacturing, services, consulting and financial sectors.

Typical purchasers of Freedonia studies :

- Key Executives
- Corporate Planners
- Market Researchers
- Financial Analysts
- Information Centers
- New Product Developers
- Merger & Acquisition Specialists

Since 1985 we have provided research to customers ranging in size from global conglomerates to one person consulting firms. More than 90% of the industrial companies in the Fortune 500 use Freedonia research to help with their strategic planning.

Some of Freedonia's customers in the reinforced plastics industry include: Xerxes Corporation, Ashland Chemical, Owens Corning and PPG.

Because Freedonia is a source for reliable information, our forecasts have been cited in numerous publications such as *The Financial Times, The Wall Street Journal* and *Plastics News*.

### Related Studies and Reports

For more information about these or other Freedonia titles, please contact us at:

The Freedonia Group, Inc. Phone: (440) 684-9600 (800) 927-5900 Fax: (440) 646-0484

#### World Polyethylene

Global demand for polyethylene will grow over 5% annually. Polyethylene will remain the largest volume thermoplastic based on wide use in film, coatings and rigid containers. PE is also gaining new uses at the expense of polystyrene and PVC, which are restricted by law based on solid waste and toxicity issues. This study analyzes the 42 million metric ton world polyethylene industry by type, process, and application for 25 countries. It also presents market share data and profiles key industry participants.

#### Plastic Film

Growth in demand for plastic film in the US will be driven by performance, cost and environmental advantages, as well as technological advances in metallocene resins. Low density polyethylene will remain the dominant film, although better growth is expected for high density polyethylene and polypropylene. This study analyzes the US plastic film industry to 2002 and 2007 by resin and market. It also discusses market share and profiles key companies.

#1122....\$3,500

#### **Reinforced** Plastics

The ability of reinforced plastics to displace metal or wood in established uses, or to create new ones, will drive gains in US composites demand. Unsaturated polyester and other thermosets will remain the largest market based on low cost and superior performance in diverse markets. Reinforced thermoplastics will exhibit better growth. This study analyzes the \$4.3 billion US composites industry to 2003 and 2008 by reinforcement, product and market. It also details market share and profiles key companies.

#### Thermoplastic Compounding -Private Companies Report

Most participants in this \$9 billion industry are small, privately-held firms. Eight private companies have compounding sales of at least \$75 million. Of these, five are primarily compounders while the other three focus mainly on colors and additives. This report profiles over 150 US privately-held independent thermoplastic compounders (e.g., Americhem, Ampacet, PMC Global, RheTech, RTP, Tekni-Plex, Teknor Apex, Washington Penn Plastic). It also forecasts industry demand and presents market share data. #1090. . . . . . . . 2/99. . . . . . . . \$3,000

#### Pultrusion Resins

Pultrusion demand in the US will grow 8% per annum, driven by resin and processing improvements, and greater needs for strong, lightweight, durable materials. Thermoset resins, primarily unsaturated polyester, will remain dominant due to their low cost and excellent performance. Electrical equipment markets will present the best opportunities. This study analyzes the US pultrusion industry to 2002 and 2007 by resin, reinforcement and market. It also presents market share and profiles key companies.

#1080....\$3,400

#### World Polypropylene

World demand for polypropylene (PP) will grow nearly 6% annually. PP is nontoxic and easily recyclable, and can mimic the properties of engineering resins at a lower cost. Many of PP's new applications are coming at the expense of polystyrene and polyvinyl chloride. Fiber and consumer goods markets will offer the best PP opportunities. This study examines the world PP industry to 2002 and 2007 by market, region and 25 individual countries. It also presents market share and profiles key industry participants.

#1038.....\$3,900

#### Injection Molded Plastics -Private Companies Report