

Tow Prepreg - Company Evaluation Report, 2024

Market Report | 2025-07-01 | 106 pages | MarketsandMarkets

AVAILABLE LICENSES:

- Single User \$2650.00
- Corporate License \$4250.00

Report description:

The Tow Prepreg Companies Quadrant is a comprehensive industry analysis that provides valuable insights into the global market for Tow Prepreg. This quadrant offers a detailed evaluation of key market players, technological advancements, product innovations, and emerging trends shaping the industry. MarketsandMarkets 360 Quadrants evaluated over 100 companies, of which the Top 15 Tow Prepreg Companies were categorized and recognized as quadrant leaders.

Tow prepreg, also referred to as towpreg, is a specialized type of prepreg composed of continuous fiber such as carbon, glass, or basalt that are pre-impregnated with a resin matrix. This material is commonly utilized in the production of composite structures using methods like filament winding, which is particularly effective for creating high-performance parts across various end-use sectors, including automotive and transportation, oil and gas, aerospace and defense, and sporting goods.

Carbon fibers incorporated in tow prepreg offer outstanding characteristics, including excellent abrasion and wear resistance, high modulus, enhanced strength, superior stiffness, low weight, and strong chemical resistance. These properties make them ideal for applications where minimizing weight is critical.

The 360 Quadrant maps the Tow Prepreg companies based on criteria such as revenue, geographic presence, growth strategies, investments, and sales strategies for the market presence of the Tow Prepreg quadrant. The top criteria for product footprint evaluation included By RESIN TYPE (Epoxy, Phenolic, Other Resin Types), By FIBER TYPE (Carbon Fiber, Glass Fiber, Other Fiber Types), By APPLICATION (Pressure Vessels, Oxygen Cylinders, Scuba Tanks, Other Applications), and By END-USE INDUSTRY (Automotive & Transportation, Oil & Gas, Aerospace & Defense, Sports Equipment, Other End-use Industries).

Key Players

Key players in the Tow Prepreg market include major global corporations and specialized innovators such as Tcr Composites, Inc., Sgl Carbon, Eneos Holdings, Inc., Teijin Limited, Mitsubishi Chemical Carbon Fiber And, Composites, Inc., Hexcel Corporation, Porcher Industries, Red Composites, Vitech Composites, Arisawa Manufacturing Co., Ltd., Toray Industries, Inc., 3M, Kordsa, Gurit Services Ag, and Huntsman International Llc. These companies are actively investing in research and development, forming strategic partnerships, and engaging in collaborative initiatives to drive innovation, expand their global footprint, and maintain a competitive edge in this rapidly evolving market.

Top 3 Companies

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Teijin Limited

Teijin Limited is a prominent player in the tow prepreg sector, known for its high-performance pre-impregnated materials branded under Tenax. The company focuses extensively on research and development to advance its product offerings, including high-temperature resins and tailored sizing. Its strategic expansions and the acquisition of suppliers aim to meet increasing global demand, strengthening its market positioning and share. This ongoing innovation and strategic development align with its objective to dominate high-end applications across diverse industries.

Hexcel Corporation

Hexcel Corporation leads in the aviation and aerospace sectors, providing advanced tow prepreg materials. Under its Composite Materials segment, it markets Hex Tow, a series of lightweight, high-performance solutions used extensively in aerospace, defense, and industrial applications. With 22 manufacturing facilities globally, Hexcel maintains a robust market presence, enhancing its product portfolio to meet growing industry demands. The focus on strategic growth and market expansion has solidified its position as a top contender in the tow prepreg market.

ENEOS Holdings, Inc.

As a part of ENEOS Techno Materials Corporation, ENEOS Holdings offers diverse tow prepreg solutions combining fibers like carbon and glass with resin systems. The company is leveraging its expertise in carbon fiber composites to drive innovations suitable for broad applications including automotive and industrial sectors. Its commitment to developing innovative solutions supports its substantial role in the market, reinforced by strategic partnerships and client-centered improvements.

Table of Contents:

1	INTRODUCTION	12
1.1	MARKET DEFINITION	12
1.2	INCLUSIONS AND EXCLUSIONS OF STUDY	12
1.3	STAKEHOLDERS	13
2	EXECUTIVE SUMMARY	14
3	MARKET OVERVIEW	18
3.1	MARKET DYNAMICS	18
3.1.1	DRIVERS	18
3.1.1.1	Increasing demand for hydrogen storage pressure vessels	18
3.1.1.2	Rising demand for carbon fiber tow prepreg in end-use industries	19
3.1.2	RESTRAINTS	20
3.1.2.1	High processing and manufacturing costs	20
3.1.2.2	Compliance & regulatory issues	20
3.1.3	OPPORTUNITIES	20
3.1.3.1	Increasing use of tow prepreps in aerospace & defense sector	20
3.1.3.2	Growing demand of tow prepreps for wind turbine blades	21
3.1.4	CHALLENGES	21
3.1.4.1	Recyclability of tow prepreps	21
3.1.4.2	High cost of carbon fiber	21
3.2	PORTER'S FIVE FORCES ANALYSIS	22
3.2.1	THREAT OF NEW ENTRANTS	22
3.2.2	THREAT OF SUBSTITUTES	23
3.2.3	BARGAINING POWER OF SUPPLIERS	23
3.2.4	BARGAINING POWER OF BUYERS	23
3.2.5	INTENSITY OF COMPETITIVE RIVALRY	23

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 3.3 SUPPLY CHAIN ANALYSIS 24
- 3.4 ECOSYSTEM ANALYSIS 25
- 3.5 TECHNOLOGY ANALYSIS 26
- 3.5.1 KEY TECHNOLOGIES FOR TOW PREPREG MANUFACTURING PROCESSES 26
- 3.5.2 FILAMENT WINDING TECHNOLOGY ANALYSIS FOR TOW PREPREG 27
 - 3.5.2.1 Wet winding process 27
 - 3.5.2.2 Dry winding process 28
- 3.5.3 COMPLEMENTARY TECHNOLOGIES FOR LATEST MANUFACTURING PROCESS OF TOW PREPREG 28
 - 3.5.3.1 Hot melt process 28
- ?
- 3.6 IMPACT OF AI/GEN AI ON TOW PREPREG MARKET 28
 - 3.6.1 TOP USE CASES AND MARKET POTENTIAL 28
 - 3.6.2 BEST PRACTICES IN TOW PREPREG MARKET 29
- 3.7 PATENT ANALYSIS 29
 - 3.7.1 INTRODUCTION 29
 - 3.7.2 METHODOLOGY 29
 - 3.7.3 PATENT TYPES 29
 - 3.7.4 INSIGHTS 30
 - 3.7.5 LEGAL STATUS 31
 - 3.7.6 JURISDICTION ANALYSIS 31
 - 3.7.7 TOP APPLICANTS 32
- 3.8 TRENDS AND DISRUPTIONS IMPACTING CUSTOMER BUSINESS 34
- 4 COMPETITIVE LANDSCAPE 35
 - 4.1 OVERVIEW 35
 - 4.2 KEY PLAYER STRATEGIES/RIGHT TO WIN 35
 - 4.3 REVENUE ANALYSIS 37
 - 4.4 MARKET SHARE ANALYSIS 38
 - 4.5 BRAND/PRODUCT COMPARATIVE ANALYSIS 40
 - 4.6 COMPANY EVALUATION MATRIX: KEY PLAYERS, 2023 41
 - 4.6.1 STARS 41
 - 4.6.2 EMERGING LEADERS 41
 - 4.6.3 PERVASIVE PLAYERS 41
 - 4.6.4 PARTICIPANTS 42
 - 4.6.5 COMPANY FOOTPRINT: KEY PLAYERS, 2023 43
 - 4.6.5.1 Company footprint 43
 - 4.6.5.2 Resin type footprint 44
 - 4.6.5.3 Fiber type footprint 44
 - 4.6.5.4 Application footprint 45
 - 4.6.5.5 End-use industry footprint 46
 - 4.6.5.6 Region footprint 47
 - 4.7 COMPANY EVALUATION MATRIX: STARTUPS/SMES, 2023 48
 - 4.7.1 PROGRESSIVE COMPANIES 48
 - 4.7.2 RESPONSIVE COMPANIES 48
 - 4.7.3 DYNAMIC COMPANIES 48
 - 4.7.4 STARTING BLOCKS 48
 - 4.7.5 COMPETITIVE BENCHMARKING OF KEY STARTUPS/SMES 50

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 4.7.5.1 Detailed list of key startups/SMEs 50
- 4.7.5.2 Competitive benchmarking of key startups/SMEs 50
- 4.8 VALUATION AND FINANCIAL METRICS OF TOW PREPREG VENDORS 51
- ?
- 4.9 COMPETITIVE SCENARIO 52
- 4.9.1 PRODUCT LAUNCHES 52
- 4.9.2 DEALS 53
- 4.9.3 EXPANSIONS 54
- 5 COMPANY PROFILES 55
- 5.1 KEY PLAYERS 55
- 5.1.1 TCR COMPOSITES, INC. 55
- 5.1.1.1 Business overview 55
- 5.1.1.2 Products offered 55
- 5.1.1.3 MnM view 56
- 5.1.1.3.1 Key strengths 56
- 5.1.1.3.2 Strategic choices 56
- 5.1.1.3.3 Weaknesses and competitive threats 56
- 5.1.2 SGL CARBON 57
- 5.1.2.1 Business overview 57
- 5.1.2.2 Products offered 58
- 5.1.2.3 Recent developments 59
- 5.1.2.3.1 Deals 59
- 5.1.2.4 MnM view 59
- 5.1.2.4.1 Key strengths 59
- 5.1.2.4.2 Strategic choices 59
- 5.1.2.4.3 Weaknesses and competitive threats 59
- 5.1.3 ENEOS HOLDINGS, INC. 60
- 5.1.3.1 Business overview 60
- 5.1.3.2 Products offered 61
- 5.1.3.3 MnM view 61
- 5.1.3.3.1 Key strengths 61
- 5.1.3.3.2 Strategic choices 61
- 5.1.3.3.3 Weaknesses and competitive threats 61
- 5.1.4 TEIJIN LIMITED 62
- 5.1.4.1 Business overview 62
- 5.1.4.2 Products offered 63
- 5.1.4.3 MnM view 64
- 5.1.4.3.1 Key strengths 64
- 5.1.4.3.2 Strategic choices 64
- 5.1.4.3.3 Weaknesses and competitive threats 64
- 5.1.5 MITSUBISHI CHEMICAL CARBON FIBER AND COMPOSITES, INC. 65
- 5.1.5.1 Business overview 65
- 5.1.5.2 Products offered 65
- 5.1.5.3 MnM view 66
- 5.1.5.3.1 Key strengths 66
- 5.1.5.3.2 Strategic choices 66
- 5.1.5.3.3 Weaknesses and competitive threats 66

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

5.1.6	HEXCEL CORPORATION	67
5.1.6.1	Business overview	67
5.1.6.2	Products offered	68
5.1.6.3	Recent developments	69
5.1.6.3.1	Product launches	69
5.1.6.4	MnM view	69
5.1.6.4.1	Key strengths	69
5.1.6.4.2	Strategic choices	69
5.1.6.4.3	Weaknesses and competitive threats	69
5.1.7	PORCHER INDUSTRIES	70
5.1.7.1	Business overview	70
5.1.7.2	Products offered	70
5.1.7.3	Recent developments	70
5.1.7.3.1	Deals	70
5.1.7.4	MnM view	71
5.1.7.4.1	Key strengths	71
5.1.7.4.2	Strategic choices	71
5.1.7.4.3	Weaknesses and competitive threats	71
5.1.8	RED COMPOSITES	72
5.1.8.1	Business overview	72
5.1.8.2	Products offered	72
5.1.8.3	Recent developments	72
5.1.8.3.1	Deals	72
5.1.8.4	MnM view	73
5.1.8.4.1	Key strengths	73
5.1.8.4.2	Strategic choices	73
5.1.8.4.3	Weaknesses and competitive threats	73
5.1.9	VITECH COMPOSITES	74
5.1.9.1	Business overview	74
5.1.9.2	Products offered	74
5.1.9.3	MnM view	75
5.1.9.3.1	Key strengths	75
5.1.9.3.2	Strategic choices	75
5.1.9.3.3	Weaknesses and competitive threats	75
5.1.10	ARISAWA MANUFACTURING CO., LTD.	76
5.1.10.1	Business overview	76
5.1.10.2	Products offered	77
5.1.10.3	MnM view	78
5.1.10.3.1	Key strengths	78
5.1.10.3.2	Strategic choices	78
5.1.10.3.3	Weaknesses and competitive threats	78
5.1.11	TORAY INDUSTRIES, INC.	79
5.1.11.1	Business overview	79
5.1.11.2	Products offered	80
5.1.11.3	Recent developments	81
5.1.11.3.1	Expansions	81
5.1.11.4	MnM view	82

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

5.1.11.4.1	Key strengths	82
5.1.11.4.2	Strategic choices	82
5.1.11.4.3	Weaknesses and competitive threats	82
5.1.12	3M	83
5.1.12.1	Business overview	83
5.1.12.2	Products offered	84
5.1.12.3	MnM view	85
5.1.12.3.1	Key strengths	85
5.1.12.3.2	Strategic choices	85
5.1.12.3.3	Weaknesses and competitive threats	85
5.1.13	KORDSA	86
5.1.13.1	Business overview	86
5.1.13.2	Products offered	87
5.1.13.3	MnM view	88
5.1.13.3.1	Key strengths	88
5.1.13.3.2	Strategic choices	88
5.1.13.3.3	Weaknesses and competitive threats	88
5.1.14	GURIT SERVICES AG	89
5.1.14.1	Business overview	89
5.1.14.2	Products offered	90
5.1.14.3	MnM view	91
5.1.14.3.1	Key strengths	91
5.1.14.3.2	Strategic choices	91
5.1.14.3.3	Weaknesses and competitive threats	91
5.1.15	HUNTSMAN INTERNATIONAL LLC	92
5.1.15.1	Business overview	92
5.1.15.2	Products offered	93
5.1.15.3	Recent developments	94
5.1.15.3.1	Deals	94
5.1.15.4	MnM view	94
5.1.15.4.1	Key strengths	94
5.1.15.4.2	Strategic choices	94
5.1.15.4.3	Weaknesses and competitive threats	94
?		
5.2	OTHER PLAYERS	95
5.2.1	GO COMPOSITES	95
5.2.2	ADVANCED MATERIAL SYSTEMS CO.	95
5.2.3	ARROW ADVANCE MATERIALS PRIVATE LIMITED	96
5.2.4	CASTRO COMPOSITES	96
5.2.5	COMPOSITENCE GMBH	97
5.2.6	JIANGSU HENGSHEN CO., LTD.	98
5.2.7	CST COMPOSITES	99
5.2.8	HYPERDRIVECARBON	99
5.2.9	HIGH GAIN INDUSTRIAL LIMITED	100
5.2.10	ROCK WEST COMPOSITES, INC.	100
6	APPENDIX	101
6.1	RESEARCH METHODOLOGY	101

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 6.1.1 RESEARCH DATA 101
- 6.1.1.1 Secondary data 101
- 6.1.1.2 Primary data 102
- 6.1.2 RESEARCH ASSUMPTIONS 102
- 6.1.3 RESEARCH LIMITATIONS AND RISK ASSESSMENT 102
- 6.2 COMPANY EVALUATION MATRIX: METHODOLOGY 103
- 6.3 AUTHOR DETAILS 106

Tow Prepreg - Company Evaluation Report, 2024

Market Report | 2025-07-01 | 106 pages | MarketsandMarkets

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scott's-international.com

ORDER FORM:

Select license	License	Price
	Single User	\$2650.00
	Corporate License	\$4250.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scott's-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-06"/>
		Signature	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scott's-international.com

www.scott's-international.com