



intertape polymer group™



**PERFORMANCE SOLUTIONS FOR THE
AEROSPACE INDUSTRY**

IPG VISION

Our vision for the aerospace market is to be a world leader in performance masking, surface protection and complementary products so that we uphold our customer commitment to deliver solutions that increase productivity, maintain product integrity, improve company image, contain cost and promote environmental stewardship.

IPG MISSION

Our mission is to provide high-quality engineered products that consistently meet the stringent demands of the aerospace industry while understanding the changing needs of our customers.

HISTORY OF PERFORMANCE

As one of the leading suppliers with over 50 years of manufacturing experience in the area of performance pressure sensitive tapes for masking and surface protection, our products are compatible and proven to perform with the most advanced coatings available in the aerospace industry.

A PASSION FOR INNOVATION

Innovative solutions are clearly the primary emphasis at IPG. Our R&D team continuously experiments with new chemistries and technologies to fulfill today's requirements, anticipate tomorrow's needs and comply with the ever more stringent health, safety and environmental regulations. Our specialists and application experts analyze your production processes and develop tailor-made solutions to fit your specific needs.

Regardless of the type of manufacturing or maintenance performed – fixed wing or rotary, commercial or military aircraft, component parts, space craft, missile or other aerospace systems – IPG has the right solution for you. You can “take off” knowing that our products will always offer high-quality, cost effective advantages.



MASKING SOLUTIONS



Masking tape is one of the most widely used “hand tools” available. As a result, IPG focused on making the best, most efficient tool on the market in the form of our performance masking tapes. IPG understands the potential for unnecessary frustration and cost from blurred paint lines, messy adhesive residue, backed on tape or worse yet, tape that falls off and is otherwise difficult to use. These issues can result in longer processing times and increased cost. IPG developed a full line of clean removal products that are compatible with the latest coatings and cure temperatures so you can optimize performance and minimize cost. Feel confident that we can make your favorite tool even better.

MASKING SOLUTIONS

	Backing	Adhesive	Total Thickness (mils)	Tensile Strength (lb/in of width)	Adhesion to Steel (oz/in of width)	Elongation (% at break)	Temperature resistance	Color
PERFORMANCE GRADE MASKING								
Orange Mask™ High Performance Masking Tape	Fine crepe paper	Natural rubber/resin	7.3 (0.185mm)	23 (101 N/25mm)	27 (7.4 N/25mm)	14	225°F (107°C)/30 min	Orange
PG21 High Temperature Masking Tape • ASTM D6123/D6123M, CID AA-883B, BAC5317	Fine-Structured™ crepe paper	Rubber/resin	7.3 (0.185mm)	26 (113.8 N/25mm)	28 (7.7 N/25mm)	10	325°F (163°C)	Natural
PG21A High Temperature Masking Tape • SAE-AMS-T-21595	Fine-Structured™ crepe paper	Rubber/resin	7.2 (0.183mm)	26 (114 N/25mm)	29 (7.9 N/25mm)	10	up to 325°F (163°C)	Natural
PG22 High Performance Masking Tape • SAE-AMS-T-21595	Fine-Structured™ crepe paper	Rubber/resin	7.0 (0.178mm)	26 (114 N/25mm)	29 (7.9 N/25mm)	10	up to 300°F (149°C)	Natural
PG57R High Performance Masking Tape • SAE-AMS-T-21595, BAC 5034-4, BAC D6-1816	Fine-Structured™ crepe paper	Rubber/resin	7.7 (0.196mm)	30 (131 N/25mm)	30 (8.2 N/25mm)	12	250°F (120°C)	Natural
PREMIUM GRADE MASKING								
PG5 Premium Grade Masking Tape • ASTM-D6123/D6123M, CID AA-883B	Fine-Structured™ crepe paper	Rubber/resin	6.3 (0.16mm)	25 (109.5 N/25mm)	30 (8.2 N/25mm)	10	200°F (93°C)	Natural
PG56 Premium Grade Masking Tape • ASTM-D6123/D6123M, CID AA-883B	Medium crepe paper	Rubber/resin	6.4 (0.15mm)	26 (113.8 N/25mm)	33 (9.0 N/25mm)	9	225°F (107°C)/30 min	Natural
MEDIUM GRADE MASKING								
PG505 Masking Tape • ASTM-D6123/D6123M, CID AA-883B	Medium crepe paper	Rubber/resin	5.8 (0.15mm)	20 (87.5 N/25mm)	33 (9.0 N/25mm)	10	200°F (93°C)	Natural
519 Masking Tape • ASTM-D6123/D6123M, CID AA-883B, PPP-T-42	Medium crepe paper	Natural/synthetic rubber	6.0 (0.15mm)	23 (101 N/25mm)	39 (9.8 N/25mm)	7	180°F (82°C)	Natural
TEMPERATURE RESISTANT FINELINE MASKING								
FM71 Fineline Masking Tape	PVC	Rubber	5.4 (0.14mm)	14 (61.3 N/25mm)	23 (6.3 N/25mm)	150	250°F (120°C)/30 min	Dark Blue
	Film		Thickness (mils)		Color			
SHEETING								
Anchor Hand Mask Hand Masking Film	HDPE		0.47 (0.012mm)		Translucent			





Media blast masking tapes adhere to the surface, absorb all of the energy it's exposed to without becoming brittle and remove cleanly in one piece. IPG offers the only tapes in the industry that can do all this and also be easily die-cut into specific shapes to dramatically speed up the masking process. IPG's BT Series tapes are available in a variety of thicknesses and liner options. Have a blast comparing IPG's tapes to competitive alternatives and see who the clear cut winner is!

MEDIA BLAST SOLUTIONS

	Backing	Adhesive	Total Thickness (mils)	Tensile Strength (lb/in of width)	Adhesion to Steel (oz/in of width)	Elongation (% at break)	Temperature resistance	Color
MEDIA BLAST APPLICATIONS								
BT100 Shot Peening Tape	Rubber	Acrylic	46 (1.17mm)	6 (26 N/25mm)	30 (8.2 N/25mm)	375	n/a	Cream
BT100R Shot Peening Tape	Rubber	Acrylic	80 (2.0mm)	8 (35 N/25mm)	30 (8.2 N/25mm)	375	n/a	Cream
BT111 Shot Peening Tape	Rubber	Rubber/resin	48 (1.22mm)	6.5 (28 N/25mm)	17.5 (4.8 N/25mm)	340	n/a	Cream
BT146 Shot Peening Tape	Rubber	Acrylic	43.0 (1.09mm)	6 (26 N/25mm)	30 (8.2 N/25mm)	375	n/a	Cream
AC50 Premium Duct Tape • ASTM D5486 Type 1, ASTM D5486, CID AA-1586A	PE coated cloth	Rubber/resin	14.0 (0.36mm)	38 (166.4 N/25mm)	60 (16.4 N/25mm)	12	180°F (82°C)	Silver Black Olive drab
AC30 Medium Grade Duct Tape	PE coated cloth	Rubber/resin	10 (0.25mm)	20 (87.5 N/25mm)	55 (15 N/25mm)	18	160°F (71°C)	Silver Black Red
PS1 Performance Flatback Tape • BAC D6-1816	Flatback	Rubber/resin	9.6 (0.24mm)	48 (210 N/25mm)	62 (17 N/25mm)	4	400°F (205°C)	Royal blue
PG21A High Temperature Masking Tape • SAE-AMS-T-21595	Fine-Structured™ crepe paper	Rubber/resin	7.2 (0.183mm)	26 (114 N/25mm)	29 (7.9 N/25mm)	10	325°F (163°C)	Natural

CHEMICAL STRIPPING SOLUTIONS



Aerospace coatings have gotten stronger over the years making their removal more difficult. At IPG, we understand the risks and costs associated with a product that doesn't provide adequate protection during the chemical stripping process. To combat this, choose from the products listed below and consider it the best insurance policy available in the tape industry. IPG's products are time tested and military approved to protect the world's most expensive equipment.

CHEMICAL STRIPPING SOLUTIONS

Backing	Adhesive	Total Thickness (mils)	Tensile Strength (lb/in of width)	Adhesion to Steel (oz/in of width)	Elongation (% at break)	Temperature resistance	Color
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CHEMICAL STRIPPING APPLICATIONS

ALF300(A) Foil Tape - also available with liner - ALF300L(A) • SAE-AMS-T-23397B	3 mil aluminum	Acrylic	5 (0.13mm)	28 (122.6 N/25mm)	55 (15 N/25mm)	5.5	325°F (163°C)	Silver
FBL100 Foil Barrier Laminate Material • MIL-PRF-131K (pending)	PE/foil/PP laminate	n/a	4.8 (0.122mm)	50 min (219 N/25mm)	n/a	n/a	n/a	Silver
LA26 Fiber Laminate Tape	PET/Paper laminate	Rubber/resin	6 (0.15mm)	45 (197 N/25mm)	60 (16.4 N/25mm)	2	350°F (176°C)	Black




Storing a jet airplane is expensive. Having the engine parts corrode, the avionics damaged or the interior exposed to excessive UV or moisture can be devastating. IPG's range of preservation solutions adhere to form an impenetrable barrier for dust, moisture, UV light and more for the duration of the storage period. The end result is a very cost effective means to protecting your investment.

AIRCRAFT STORAGE SOLUTIONS

	Backing	Adhesive	Total Thickness (mils)	Tensile Strength (lb/in of width)	Adhesion to Steel (oz/in of width)	Elongation (% at break)	Temperature resistance	Color
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AIRCRAFT STORAGE APPLICATIONS

ALF300(A) Foil Tape - also available with liner - ALF300L(A) • SAE-AMS-T-23397B	3 mil aluminum	Acrylic	5 (0.13mm)	28 (122.6 N/25mm)	55 (15 N/25mm)	5.5	325°F (163°C)	Silver
FBL100 Foil Barrier Laminate Material • MIL-PRF-131K (pending)	PE/foil/PP laminate	n/a	4.8 (0.122mm)	50 min (219 N/25mm)	n/a	n/a	n/a	Silver
PE8 Preservation Tape	Polyethylene (PE) film	Synthetic rubber	9 (0.23mm)	18 (79 N/25mm)	75 (21 N/25mm)	70	150°F (65°C)	Cream
PT14 14-Day UV Resistant Blue Masking Tape	Fine-Structured™ crepe paper	Synthetic rubber	5.5 (0.139mm)	23 (100 N/25mm)	26 (7 N/25mm)	11	n/a	Blue
PG20 30-Day UV Resistant Silver Masking Tape	Aluminum black crepe paper	Rubber/resin	6.8 (0.173mm)	22 (96 N/25mm)	33 (9 N/25mm)	8	325°F (163°C)	Silver

COMPOSITE BONDING SOLUTIONS



Composite parts are being integrated more and more into every new aerospace design. And we know that the manufacturing processes have very unique requirements for performance. These needs are addressed through the IPG products that are designed to mask parts in production as well as parts being prepared to receive the finish coatings. Regardless if the need is to hold your parts in place or provide a superior surface to bond to when repair is needed, IPG has the solution for you.

COMPOSITE BONDING SOLUTIONS

Backing	Adhesive	Total Thickness (mils)	Tensile Strength (lb/in of width)	Adhesion to Steel (oz/in of width)	Elongation (% at break)	Temperature resistance	Color
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COMPOSITE BONDING APPLICATIONS

ALF200L Foil Tape	2 mil aluminum	Acrylic	4.6 (0.117mm)	30 (131 N/25mm)	70 (19.2 N/25mm)	4	-35°F (-37°C) to 350°F (176°C)	Silver
6120 Flash Masking Tape	PET	Silicone	3 (0.076mm)	22 (96 N/25mm)	49 (13.4 N/25mm)	100	425°F (218°C)	Blue
6215 Flash Masking Tape	PET	Silicone	3.2 (0.08mm)	50 (219 N/25mm)	35 (9.6 N/25mm)	100	425°F (218°C)	Green
PG21A High Temperature Masking Tape • ASTM D6123/D6123M, CID AA-883B, BAC5317	Fine-Structure™ crepe paper	Rubber/ resin	7.3 (0.185mm)	26 (113.8 N/25mm)	28 (7.7 N/25mm)	10	325°F (163°C)	Natural
591 Double-Coated Tape • CID AA-180C, CID AA 1808	Bleached flatback	Natural rubber	12 (0.30mm) w/liner	34 (149 N/25mm)	52 (14.2 N/25mm)	3.0	200°F (93°C)	Natural




Aerospace electronics are highly technical and specialized systems expected to provide unfailing service for decades. IPG's Electrical and Electronic tapes unwaveringly meet that requirement. These engineered products are manufactured under the strictest standards to deliver the highest level of performance and reliability. These products carry many specifications, not the least being Military, UL and CSA. IPG is proud that we have the most comprehensive product line in the industry. You will be pleasantly shocked by our performance!

ELECTRICAL/ ELECTRONIC APPLICATIONS

ELECTRICAL/ELECTRONIC APPLICATIONS

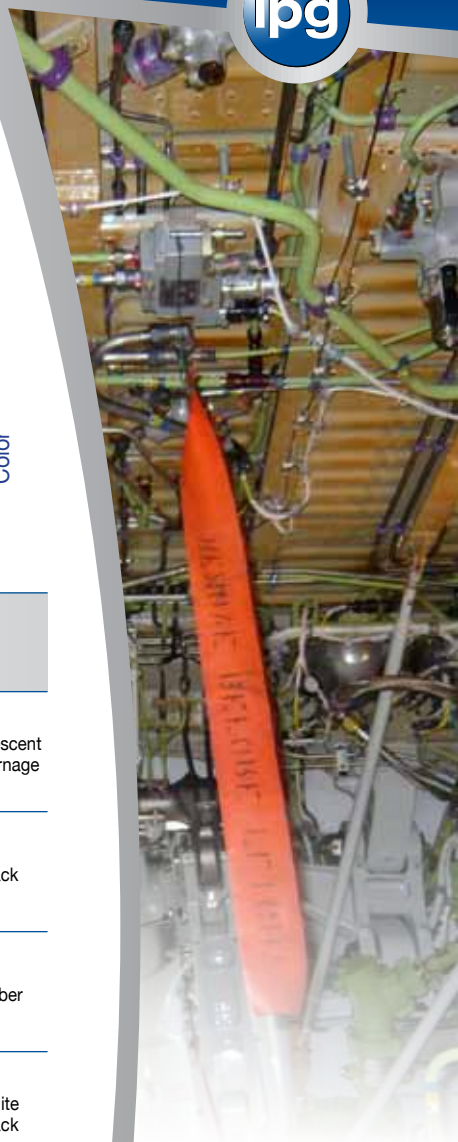
	Backing	Adhesive	Total Thickness (mils)	Dielectric Strength (total volts)	Temperature Rating	Color
51562 Polyester Film Tape	2-mil PET	Acrylic	3.5 (0.089mm)	7,500	130°C	Yellow, White, Black, Clear
51589 Polyester Film Tape	1-mil PET	Acrylic	2.2 (0.056mm)	5,000	130°C	Yellow, Black, Clear
51587 Polyester Film Tape	1-mil PET	Thermo Rubber	2.2 (0.056mm)	5,000	130°C	Yellow, Black
54108 Polyester Film Tape	1-mil PET	Cured Rub- ber	2.4 (0.061mm)	5,000	130°C	Off-white
51595 Polyester Laminate Tape	3.5-mil PET/Non- woven	Acrylic	4.5 (0.114mm)	5,000	155°C	White
4426 Polyester Laminate Tape	4-mil PET/Rope	Thermo Rubber	6.0 (0.152mm)	5,500	130°C	Black, Natural
4616 Glass Cloth Tape	8-mil Glass cloth	Thermo Rubber	7.0 (0.178mm)	2,500	155°C	White, Black
4617 Glass Cloth Tape	7-mil Glass cloth	Acrylic	7.0 (0.178mm)	2,500	155°C	White
4618 Glass Cloth Tape	7-mil Glass cloth	Silicone	7.0 (0.178mm)	2,500	200°C	White
51579 Polyimide Film Tape	1-mil Polyimide film	Acrylic	2.2 (0.056mm)	7,000	155°C	Amber
4428 Polyimide Film Tape	1-mil Polyimide film	Silicone	2.5 (0.064mm)	7,000	180°C	Amber
4429 Polyimide Film Tape	2-mil Polyimide film	Silicone	32.5 (0.0894mm)	11,000	180°C	Amber



AEROSPACE SPECIALTY PRODUCTS



There are many applications for tapes used in the manufacture, maintenance and repair of aerospace parts. Often times a standard tape just won't do. That is why IPG manufactures and coats such a wide range of backings and adhesive systems. In fact, there are simply too many to list here. Please contact an IPG sales representative and together we can help find the right solution to meet your specific need.



AEROSPACE SPECIALTY PRODUCTS

Backing	Adhesive	Total Thickness (mils)	Tensile Strength (lb/in of width)	Adhesion to Steel (oz/in of width)	Elongation (% at break)	Temperature resistance	Color
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SPECIALTY APPLICATIONS

PF5 Fluorescent Inspection Tape	Flatback paper	Rubber	6.1 (0.16mm)	35 (153.2 N/25mm)	28 (7.7 N/25mm)	3	N/A	Fluorescent red-ornage
461-FR Glass Cloth Tape	Glass cloth	Rubber/ resin - self-extinguishing	8 (0.20mm)	175 (767 N/25mm)	40 (11 N/25mm)	3	300°F (148°C)	Black
FM28 Polyimide Film Tape	1.0 mil polyimide film	Silicone	2.5 (0.064mm)	30 (131 N/25mm)	25 (6.8 N/25mm)	80	400°F (204°C)	Amber
RG-46 Glass Cloth Tape	Glass cloth	Rubber (Thermo-setting)	7 (0.178mm)	175 (766 N/25mm)	50 (13.7 N/25mm)	3	up to 400°F (204°C)	White Black
RG-47 Glass Cloth Tape	Glass cloth	Acrylic	7 (0.178mm)	200 (876 N/25mm)	40 (10.9 N/25mm)	3	up to 300°F (155°C)	White
RG-48 Glass Cloth Tape	Glass cloth	Silicone	7 (0.178mm)	185 (810 N/25mm)	45 (12.3 N/25mm)	3	500°F (287°C)	White



Pressure-Sensitive Carton-Sealing Tapes

As a leader in the pressure-sensitive carton-sealing tape market, Intertape Polymer Group™ (IPG) combines years of experience as a prime manufacturer of superior quality tape to the industrial and consumer channels. Intertape manufactures all three adhesive technologies - hot melt, acrylic and natural rubber.

**Water-Activated Carton-Sealing Tapes**

Central® brand Water-Activated Tapes bond instantly to both virgin and recycled fiber (corrugated carton, paper, etc.) surfaces and therefore, generate an immediate destructive bond resulting in a tamper evident package. Central is a recognized pioneer and innovator in water-activated technology. Available in both plain paper and fiberglass reinforced.

Films**Stretch Film**

A market leader in technology, IPG manufactures monolayer and 3-layer blown film, both 5 & 7-layer cast films and specialty products on state-of-the-art equipment in ISO Certified facilities.

SuperFLEX™ brand High Performance Films provide significant downgauging opportunities yielding as much as a 30% reduction in the amount of film needed to securely contain a load. In addition to providing a measurable cost savings, the reduction in film consumed means that SuperFLEX™ brand films are environmentally preferred over conventional films.

StretchFLEX® brand Stretch Wrap rounds out the Intertape Polymer Group line of films and is designed to meet a variety of stretch wrapping needs.

Protective Packaging

For years, Intertape Polymer Group has been a trusted source for the products that secure your packages as a leading supplier of carton-sealing tapes and stretch film. It only makes sense that you would also rely on Intertape to protect the contents of your packages. That is why the iCushion™ brand Protective Packaging line emerged with the fastest Air Pillow System on the market and continues to expand.

AP-8000C Inflatable Air Pillow System

- Available in conventional or Oxo-Biodegradable film
- Popular pillow sizes: 8" x 8" and 8" x 12"

AP-2000 Inflatable Air Pillow System

- Available in Oxo-Biodegradable film
- Popular pillow sizes: 8" x 4" and 8" x 8"

Placement of air pillow systems requires customer commitment.



COMPLEMENTARY PACKAGING SOLUTIONS

ipg

Case Sealing Equipment

IPG's Interpack™ brand of quality case sealers and accessories offers the features and versatility you need with performance you can depend on... all at the most cost-effective price. Our comprehensive equipment line includes case sealers, tape heads, case erectors, standard and special options and custom-built special application machinery.

Case sealing equipment available in:

- USA Series - Uniform Semi-Automatic
- UA Series - Uniform Automatic
- RSA Series - Random Semi-Automatic
- RA Series - Random Automatic

Ask about Interpack's equipment capabilities and programs... including the Tape Head Program, Tape Incentive Program, Parts Voucher, Spare Parts Kit and more.

INTERPACK
brand
PACKAGING SYSTEMS

USA 3036-SB Case Sealer



Water-Activated Tapers

TWA 1000-M Manual Taper



TWA 1000-E Electric Taper

As the market leader for water-activated carton-sealing tape, Intertape's commitment continues with the introduction of state-of-the-art tabletop dispensers.

This superior line of dispensers offers improved features and benefits enhancing the value created by an integrated system of closure material and dispenser. The increased capabilities highlighted in the TWA 1000-M Manual Taper and TWA 1000-E Electric Taper provide the quality your production requires.

Environmental Stewardship Program

Meet Lili™

Lili™ is Intertape's environmental stewardship program and stands for "Low environmental impact line from Intertape". Lili™ encompasses:

- Corporate Commitment
- Socially Responsible Corporate Initiatives

Lili Approved Products

- Oxo-Biodegradable Films, including Stretch Film, Shrink Film and Air Pillows
- Central® brand Water-Activated Paper Tape



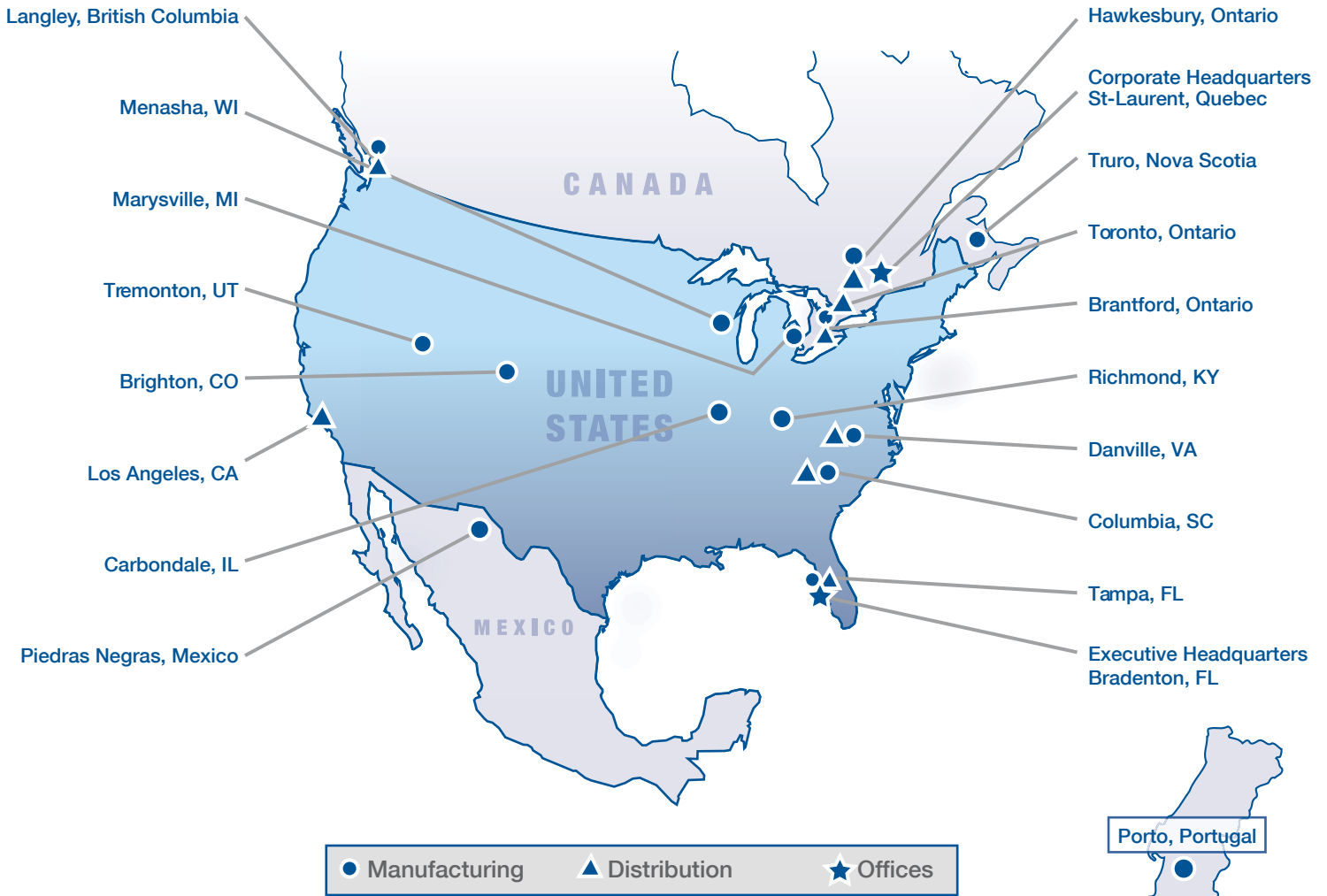
Intertape
brand



CORPORATE PROFILE

Intertape Polymer Group Inc. (IPG) is an acknowledged leader in the packaging industry. Leveraging its advanced manufacturing and technologies, extensive research and development capabilities and a comprehensive strategic acquisition program, the company believes it has assembled the broadest and deepest range of products in the industry.

IPG is widely recognized for its development and manufacture of specialized polyolefin, plastic and paper-based packaging products, as well as complementary packaging systems for industrial and retail use. Additionally, IPG is a woven and flexible intermediate bulk container (FIBC) manufacturer. Its performance products, including tapes and cloths, are designed for demanding aerospace, automotive and industrial applications and are sold to a broad range of industry/specialty distributors, retail stores and large end-users in diverse industries.



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AEROSPACE

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