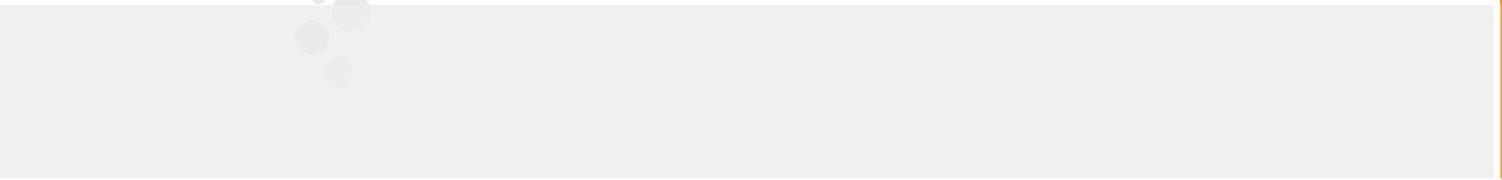




i tape



# TRANSPORTATION SOLUTIONS



i tape



# TRANSPORTATION SOLUTIONS

IPG®'s vision for the transportation market is to be a world leader in performance masking, surface protection and complementary products. Our customer commitment is to deliver solutions that increase productivity, maintain product integrity, improve company image, and contain cost. Our mission is to provide high quality products that meet the stringent demands of the transportation 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 a wide variety of advanced coatings available in the transportation industry.

## PASSION FOR INNOVATION

Innovative solutions are clearly the primary emphasis at IPG. Our specialists and application experts are trained to analyze the production process to develop tailor-made solutions. So no matter what you manufacture - Bus, Truck, RV, Specialty Vehicle, Automotive OEM or tier suppliers such as interior or exterior trim, engines and power train components, electrical and electronic parts or body panels - IPG has the right solution for you.



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IPG's masking tape products are designed for superior performance in a variety of applications such as paint masking, holding, light-duty, splicing, bundling, packaging and many more.



## 6 UV EXPOSURE SOLUTIONS

IPG manufactures a variety of masking products that provide UV exposure protection ranging from 7 days to 30 days.



## 6 MOUNTING SOLUTIONS

Intended as a sleek companion or alternative to traditional rivets, screws, or glue, our double-sided tapes are ideal when an aggressive long-term or permanent bonding solution is needed.



## 7 MULTIPLE APPLICATIONS

We manufacture and coat a wide range of backings and adhesive systems to fit specific needs, when a standard tape just won't do.



# MASKING SOLUTIONS


Masking tape is one of the most widely used “hand tools” available. As a result, IPG® has focused on manufacturing the best, most efficient tool on the market in the form of our performance masking tapes. IPG and American® brand masking tapes are synonymous with quality.



## Masking Tapes: The Need for Clean Removal

We understand the potential for unnecessary frustration and cost from blurred paint lines, messy adhesive residue, difficulty during removal, 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® has 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.

### HIGH TEMP PREMIUM PAPER MASKING

STYLE	DESCRIPTION	TENSILE		ADHESION		THICKNESS		ELONGATION	TEMP
		lb/in	N/25mm	oz/in	N/25mm	mil	mm	%	
 American® brand Orange Mask® (OM) high performance masking tape developed for transportation related paint applications such as marine, bus, truck, RV, automotive and various other applications where conformability and clean removal is required; crisp paint lines; UV resistant up to 72 hours; tear, moisture and solvent resistant		23.0	101.0	27.0	7.4	7.1	0.18	12.0	250°F/ 121°C
PG	Designed for paint masking that requires clean and easy removal from a variety of hot or cold surfaces	26.0	114.0	28.0	7.7	7.3	0.19	10.0	250°F/ 121°C
PG16	Good quick stick and holding properties. Typical temperature ranges from room temperature to 325°F (163°C) for 20 to 40 minutes.	25.0	109.0	30.0	8.2	6.7	0.17	8.0	325°F/ 163°C
PG21	Extremely versatile; warm or cold removal; resistant to strong solvents and paints; temperature resistant to 325°F/163°C	26.0	114.0	28.0	7.7	7.3	0.185	10.0	325°F/ 163°C
PG21A	Controlled unwind; resistant to strong solvents, paints and tearing; temp resistant to 325°F/163°C	26.0	114.0	29.0	7.9	7.2	0.183	10.0	325°F/ 163°C
PG28A	Less aggressive than PG21; versatile; cold removal; resistant to strong solvents and paints; temperature resistant to 325°F/163°C	26.0	114.0	28.0	7.7	7.1	0.18	10.0	325°F/ 163°C
PG48	Easy unwind for wide width; resistant to strong solvents and paints; temperature resistant to 325°F/163°C	27.0	118.0	29.0	7.9	7.7	0.196	10.0	325°F/ 163°C
PG49	Good quick stick and holding properties; resistant to strong solvents and paints; temperature resistant to 325°F/163°C	24.0	105.0	24.0	6.5	6.7	0.17	11.0	325°F/ 163°C
PG57R	Solvent resistant; supports large kraft aprons; ideal for aircraft, buses and heavy trucks	30.0	131.0	30.0	8.2	7.7	0.196	12.0	140°F/ 60°C

### MEDIUM TEMP MEDIUM GRADE MASKING

STYLE	DESCRIPTION	TENSILE		ADHESION		THICKNESS		ELONGATION	TEMP
		lb/in	N/25mm	oz/in	N/25mm	mil	mm	%	
MP	Easy to apply, clean removal with temperature resistance to 250°F/121°C; resistant for up to 3 days with clean removal; for use in automotive painting, marine and general paint applications	25.0	109.5	33.0	9.0	6.1	0.155	8.0	250°F/ 121°C
 American® brand AquaMask™ (AM); rubber-based adhesive provides secure adhesion to both painted and bare metals and plastics, yet removes cleanly without adhesive residue, paint “flaking” from backside or surface staining		20.0	87.5	28.0	7.6	6.6	0.17	12.0	225°F/ 107°C



# MASKING SOLUTIONS

## MEDIUM GRADE PAPER MASKING

STYLE	DESCRIPTION	TENSILE		ADHESION		THICKNESS		ELONGATION	TEMP
		lb/in	N/25mm	oz/in	N/25mm	mil	mm	%	
PB1	Black, moisture-resistant medium crepe paper masking tape with a pressure-sensitive natural rubber adhesive; black color imparts moderate resistance to ultra violet (UV) light	25.0	109.0	30.0	8.2	5.7	0.15	8.0	200°F/ 93°C
PG5	Recognized as the premium painter's tape worldwide; smooth textured backing provides for easy application and clean, crisp paint lines	25.0	109.0	30.0	8.2	6.3	0.16	10.0	160°F/ 70°C
519	Solvent cast natural and synthetic rubber blend platform adheres to many surfaces	23.0	101.0	36.0	9.8	6.0	0.15	7.0	180°F/ 82°C

## UTILITY GRADE PAPER MASKING

STYLE	DESCRIPTION	TENSILE		ADHESION		THICKNESS		ELONGATION	TEMP
		lb/in	N/25mm	oz/in	N/25mm	mil	mm	%	
PG500	Non-critical room temperature applications such as hanging paper, poly and poster board	21.0	92.0	48.0	13.0	5.0	0.127	7.5	-
513	Aggressive adhesive for applications such as textile, carpet seaming, light industrial, manufacturing, bundling & tabbing	19.0	83.2	36.0	9.8	5.0	0.127	6.4	180°F/ 82°C
515	Conformable backing and aggressive adhesive for non-critical securing and bundling applications	21.0	92.0	40.0	10.9	6.0	0.15	7.0	180°F/ 82°C
PG505	Proven industry leader – solvent cast natural and synthetic rubber blend high adhesive for masking, bundling and holding	20.0	87.5	33.0	9.0	5.8	0.147	10.0	200°F/ 93°C

## MULTI-PURPOSE MASKING

STYLE	DESCRIPTION	TENSILE		ADHESION		THICKNESS		ELONGATION
		lb/in	N/25mm	oz/in	N/25mm	mil	mm	%
HAND MASK FILM	Durable HDPE film resists tearing; easy to work with; film and tape applied simultaneously; clings to surface preventing overspray; designed to work with multiple hand dispensers	N/A	N/A	N/A	N/A	0.47	0.01	N/A
PE7	PE film tape; conformable without excessive stretch; excellent adhesion to a variety of surfaces; stiffer backing makes it easier to handle	20.0	87.5	70.0	19.0	7.0	0.178	70.0
PE8	PE film tape; UV resistant; conformable; waterproof; residue-free clean removal; excellent adhesion to polyethylene and other surfaces	18.0	79.0	75.0	21.0	9.0	0.23	70.0
FM35	Orange; PVC backed; rubber based; fine line masking tape; waterproof and solvent resistant; temperature range of 40°F-280°F (4.4°C-138°C)	15.0	65.6	23.0	6.3	5.4	0.14	150.0
FM71	Dark blue; PVC backed; rubber based; fine line masking tape; removes cleanly from a variety of surfaces when exposed to temperatures up to 250°F/120°C for at least 30 minutes	14.0	61.3	20.0	5.5	5.4	0.14	150.0
6215	Green; PET; silicone adhesive; high temperature; ideal for high temperature powder coat masking and PCB protection during production; suitable for splicing	50.0	219.0	35.0	9.6	3.2	0.08	100.0
6120	Blue; PET; silicone adhesive; high temperature; ideal for high temperature powder coat masking and PCB protection during production; suitable for splicing	22.0	96.3	49.0	13.4	3.0	0.076	100.0
6130	Red; PET; silicone adhesive; flexible; solvent, puncture & chemical resistant; clean removal; protects printed circuitry from plating solutions and fumes without contaminating bath solutions; also for splicing of release-coated paper and film stocks	26.0	114.0	32.0	8.75	2.6	0.066	120.0

# MASKING SOLUTIONS

## UV Exposure Protection

At IPG, we understand the risks and costs associated with a product that doesn't provide adequate UV protection. To combat this, choose from the products listed below and consider it the best insurance policy available in the tape industry. IPG's products provide UV exposure protection ranging from 3 days to 14 days offering you a wide variety of choices to fit your application needs.

### UV MASKING

STYLE	DESCRIPTION	TENSILE		ADHESION		THICKNESS		ELONGATION
		lb/in	N/25mm	oz/in	N/25mm	mil	mm	%
PT7	Blue; coarse crepe backed painter's tape; removes cleanly up to 14 days after application, even when exposed to direct sunlight	22.0	96.3	18.0	4.9	5.8	0.147	8.0
PT8	Green; coarse crepe backed painter's tape; removes cleanly up to 8 days after application, even when exposed to direct sunlight	18.0	79.0	22.0	6.0	5.9	0.15	11.0
PT14	Blue; fine crepe backed painter's tape; synthetic rubber adhesive; removes cleanly up to 14 days after application, even when exposed to direct sunlight and high humidity	23.0	101.0	26.0	7.0	5.5	0.14	11.0
PG20	Black; saturated crepe paper backing protects the specially formulated, high temperature resistant, pressure-sensitive natural rubber adhesive from the effects of ultraviolet light; can be used in outdoor applications for periods of up to one (1) month depending on the weather conditions and the surface to which the tape is applied; can be exposed to temperatures up to 325°F (163°C)	23.0	101.0	30.0	8.0	6.8	0.17	8.0

# MOUNTING SOLUTIONS

IPG's line of high-performance double-coated products are used in a number of applications such as gasket attachment, component assembly, nameplates, interior and exterior trim attachments and many more. Our products are also converter friendly for a wide variety of applications requiring die cuts and custom parts. IPG offers several solutions for double coated tape requirements. Contact your IPG rep for custom solutions.

### DOUBLE-COATED TAPES

STYLE	DESCRIPTION	BACKING	ADHESION		THICKNESS w/o LINER		LINER
			oz/in	N/25mm	mil	mm	
AFT200C	Thick acrylic carrier double-coated with acrylic adhesive; flexible and conformable; excellent solvent resistance and temperature variances; intended for permanent bonding of two surfaces	Acrylic Foam	116.0	31.7	20.0	0.51	Red PE Film
AFT450G	Premium acrylic foam tape double-coated with acrylic adhesive; flexible and conformable; excellent solvent resistance and temperature variances; intended for permanent bonding of two surfaces	Acrylic Foam	188.0	51.0	45.0	1.14	Red PE Film
SGAFT450B SGAFT600B SGAFT450G SGAFT600G	Black, grey; structural grade acrylic foam core with very high bond acrylic pressure sensitive adhesive designed to provide a superior bond between a wide variety of substrates; clean and quick replacement of bulky mechanical fasteners; excellent weathering properties; no cure or dwell time; sound & vibration dampening; ability to withstand thermal movement	Structural Grade Acrylic Foam	475	129.7	45 mil 60 mil	1.11 1.5	Red PET
SGAFT450C SGAFT600C	Clear; structural grade acrylic foam core with very high bond acrylic pressure sensitive adhesive designed to provide a superior bond between a wide variety of substrates; clean and quick replacement of bulky mechanical fasteners; excellent weathering properties; no cure or dwell time; sound & vibration dampening; ability to withstand thermal movement	Structural Grade Acrylic Foam	348	95.03	45 mil 60 mil	1.11 1.5	Red PET
AFT450W	Premium acrylic foam tape double-coated with acrylic adhesive; flexible and conformable; excellent solvent resistance and temperature variances; intended for permanent bonding of two surfaces	Acrylic Foam	179.0	49.0	45.0	1.14	Red PE Film
CACTUS® B4180	Black 1/32in thick closed cell cross-linked PE foam double-coated with aggressive acrylic for permanent bonding. Ideal for side molding and trim profile automotive applications	PE Foam	49.4	13.34	31.5	0.8	Green PE Film
CACTUS® Y291M	Clear 1 mil PET film with differential acrylic adhesive coating; liner side offers lower tack for clean removal and the exposed side provides moderate adhesion and good initial tack; for mounting, signage, splicing, carpet hold down and temporary holding	PET Foam	49.0 7.0	13.34 1.9	3.5	0.09	76# White PCK
DCP800A2PW	White; 2 mil polyester liner promotes excellent processing and die cutting characteristics; double-coated with solvent based acrylic adhesive; use for rough surface applications and stable bonding to LSE Plastics and EPDM materials	PET Film	125.0	35.0	8.9	0.23	White PET
DCV960A	White; 3.2 mil SCK liner promotes excellent handling and release characteristics for processing; hand tearable, double-coated with solvent based acrylic adhesive; use for textured/rough surfaces; suitable for long term permanent bonding	UPVC Film	160.0	43.6	8.9	0.23	2.3 mil White SCK

# MULTIPLE APPLICATIONS

There are many applications for tapes used in the manufacturing of trucks, buses, automotive and specialty vehicles. 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 to fit specific needs. Our assortment includes a variety of pressure sensitive tapes and films to address all of your manufacturing requirements. If you feel a pressure sensitive adhesive solution is needed within a process or to enhance your product's performance, we can advise you towards finding your winning formula.

## TAPES FOR MULTIPLE APPLICATIONS

STYLE	DESCRIPTION	TENSILE		ADHESION		THICKNESS		ELONGATION
		lb/in	N/25mm	oz/in	N/25mm	mil	mm	%
<b>ELECTRICAL/ELECTRONIC</b>								
RG46	Thermosetting rubber adhesive; resistant to strong solvents; high flexibility, conformability, heat resistance and tensile strength; ideal for splicing applications where surface materials are rough	175.0	776.0	50.0	13.7	7.0	0.178	3.0
RG48	Thermosetting silicone adhesive; masks sensitive areas to protect from plasma spray; high flexibility, conformability, heat resistance and tensile strength; ideal for splicing applications where surface materials are rough	185.0	810.0	45.0	12.3	7.0	0.178	3.0
FM28	One mil polyimide backing with silicone adhesive; heat resistant; ideal for high temperature processing applications and printed circuit board fabrication	30.0	52.0	25.0	2.7	2.5	0.064	80.0
FM38	Polyimide backing and silicone adhesive with Anti-Static Polymer Coating; for use where low static, toughness, puncture resistance, extreme resistance to heat, and flame retardant properties are required; generates less than 50 volts discharge as it is being dispensed; for wave solder and re-flow applications where anti-static or low static is required	>19.0	33.0 N/cm	17.5	1.9 N/cm	2.0	0.05	>50.0
<b>FLATBACK</b>								
PS1	Royal blue; high strength flatback; adhesive withstands temperature exposure up to 400°F/204°C	48.0	210.0	62.0	17.0	9.6	0.243	4.0
PM2	Versatile; tan color flatback matches most corrugated cardboard for professional, sealed look	36.0	157.6	57.0	15.6	6.0	0.15	3.0
534	Brown; the industry leader - ideal for splicing or package sealing; meets U.S. Postal and UPS shipping requirements	40.0	175.0	68.0	18.6	7.5	0.19	7.0
<b>DUCT</b>								
AC20	Available in several colors; economic all-purpose duct tape for home and office use	18.0	79.2	40.0	11.0	9.0	0.228	14.0
AC30	The maintenance shop duct tape - silver, red, black; ideal for shop floor applications from machine repair to leak sealing	20.0	87.5	55.0	15.0	10.0	0.25	18.0
<b>FOIL</b>								
ALF150L	For seaming and sealing fiberglass duct board and duct wrap; enhances appearance and maintains vapor barrier integrity; high tack rubber-based adhesive; recommended minimum application temperature 40°F (4°C)	18.0	78.8	115.0	31.5	3.3	0.08	3.0
ALF175L	For general purpose seaming, patching and sealing to enhance appearance and maintain vapor barrier integrity; provides long-lasting adhesion to clean/dry surfaces; flame retardant; high shear adhesion/UV resistant; excellent reflective properties (i.e. heat, light)	20.0	87.5	80.0	21.9	3.3	0.08	5.0
ALF200	For general purpose seaming, patching and sealing; enhances appearance and maintains vapor barrier integrity; excellent adhesion to clean/dry surfaces; flame retardant/UV resistant	29.0	127.0	60.0	16.4	3.9	0.10	5.6
ALF300	Meets requirements for masking of aircraft surfaces during chemical paint stripping; instant water-resistant adhesion to clean/dry surfaces; flexible - conforms to irregular surfaces; recommended minimum application temperature 35°F; conforms to government spec SAE-AMS-T-23397B, Type II	29.0	127.0	55.0	15.0	4.7	0.12	7.5
<b>ANCILLARY PRODUCTS</b>								
RG300	Natural; BOPP <sup>®</sup> backed filament tape; ideal for non-critical packaging and shipping	110.0	482.0	63.0	17.2	4.0	0.10	3.5
602	Black; vinyl; general purpose electrical tape; electrical insulating; UL listed; good dielectric strength	17.0	74.0	17.0	4.6	7.0	0.178	150.0
TM27	Medium temperature-resistant masking combined with polyester edge lift strip; for masking auto window moldings	-	-	30.0	8.2	7.6	0.19	-
PF3	Medium crepe backed masking; available in several colors; used for identification, color coding, edging and lightweight packaging	19.0	83.0	32.0	8.7	5.2	0.13	7.0



## CORPORATE PROFILE

Headquartered in Sarasota, Florida, IPG is a global provider of packaging and protective solutions across a diversified set of geographies and end-markets. The Company develops, manufactures, and sells a variety of solutions including paper and film-based pressure-sensitive and water-activated tapes, stretch and shrink films, protective packaging, woven and non-woven products and packaging machinery.

### NORTH AMERICA

- |                      |                   |                    |
|----------------------|-------------------|--------------------|
| 1. Ansonia, CT       | 8. Carlstadt, NJ  | 14. Everetts, NC   |
| 2. Atlanta, GA       | 9. Carrollton, TX | 15. Marysville, MI |
| 3. Bardstown, KY (2) | 10. Chicago, IL   | 16. Menasha, WI    |
| 5. Blythewood, SC    | 11. Corona, CA    | 17. Midland, NC    |
| 6. Brighton, CO      | 12. Cornwall, ON  | 18. Montreal, QC   |
| 7. Carbondale, IL    | 13. Danville, VA  | 19. Sarasota, FL   |

### EUROPE

- |                     |                        |
|---------------------|------------------------|
| 20. Schaumburg, IL  | 25. Flensburg, Germany |
| 21. Springfield, OH | 26. Porto, Portugal    |
| 22. Toronto, ON     | 27. Soest, Germany     |
| 23. Tremonton, UT   | 28. Widnes, UK         |
| 24. Truro, NS       |                        |

### ASIA

- |                          |
|--------------------------|
| 29. Chopanki, India      |
| 30. Daman, India         |
| 31. Dahej, India         |
| 32. Jiangmen City, China |
| 33. Karoli, India        |

