

**POLYKEN®**

**PATCO™**  
PERFORMANCE ENGINEERED TAPES














## Aerospace Products Brochure



- Carpet Bonding**
- Anti-Erosion**
- Moisture Barrier**
- Preservation**
- Cargo Seaming**
- Speed Tape**
- Fineline**
- High Temperature**
- UV Resistant**

**Global**  
PLASTIC SHEETING

# Aerospace Products

Product	Description Backing / Adhesive	Brand	Colors	Application	Thickness* Mils (mm)	Adhesion to steel oz/in (g/mm)	Tensile Strength lb/in (kg/mm)	Elongation %	Max Temp °F / °C	
Carpet	108FR	Double Faced Flame Retardant Tape Double Coated Cloth / Rubber Unprinted PE Liner		Black or Natural	Heavy -duty, double coated cloth tape for carpet installation on passenger compartment floors. Easily re-aligns and resists curl. Removes without residue. Meets FAR 25.853(a) and BMS 5-133 E Type II, Class 1 and Class 2.	15.0 (0.381)	60 (67.2)	55 (0.98)	8%	160°F / 71°C
	Cargo	290FR	Flame Retardant PE Coated Glass Cloth Coated Glass Cloth / Rubber Printed - Self Wound		White	Heavy duty extended use glass cloth cargo pit tape. For use on seaming covering pins/rivets where high adhesion and flame resistance is critical; Meets FAR 25.853(a) and FAR 25.855(d). Abrasion resistant.	13.0 (0.330)	38 (41.5)	150 (2.69)	7%
296FR		Flame Retardant Glass Cloth Glass Cloth / Bromide-Free Acrylic Adhesive Printed - Available in Solid or Split Liner or Unprinted		White	Lightweight Glass cloth cargo pit tape. Resists flame penetration. Bromide-free formulation. Conformable - accommodates angles & turns. Repositionable & removes easily w/o leaving residue. Meets FAR 25.853(a) and 25.855(d). Meets Boeing BMS 5-146G Meets EU Directive 76/769/EEC.	7.0 (0.179)	45 (50.4)	134 (2.40)	10%	290°F / 143°C
297		Flame Retardant Glass Cloth Glass Cloth / Rubber Unprinted - Blue LDPE Liner		White	Medium weight glass cloth cargo pit tape. For use on covering pins/rivets where high adhesion and flame resistance is critical. Meets FAR 25.853(a) and FAR 25.855(d).	8.0 (0.203)	50 (56.0)	150 (2.69)	7%	250°F / 121°C
294FR		Flame Retardant Glass Cloth Glass Cloth / Rubber Printed - Blue LDPE Liner		White	Lightweight cargo hold floor panel seam sealing and repair of cargo compartment liners. For use on covering pins/rivets where high adhesion and flame resistance is critical. Meets FAR 25.853(a) and FAR 25.855(d).	6.7 (0.170)	45 (50.4)	120 (2.15)	5%	250°F / 121°C
Moisture Barrier	1800	Flame Retardant Moisture Barrier PVC Film / FR Acrylic 53lb Paper Liner		Black	Flame Retardant PVC Moisture barrier for interior aircraft wet areas. Economical. Wide widths available. Suitable for die cutting. Meets FAR 25.853(a)	10.0 (0.254)	50 (56)	25 (0.45)	200%	275°F / 135°C
	D9100	Flame Retardant Polyurethane Moisture Barrier PU Film / PU Adhesive 92lb Paper Liner		Clear	A tough, exceptionally elastic & durable polyurethane film designed as a moisture seal for floor joints in wet areas. Can be applied directly over wet sealants. Meets FAR 25.853(a), Boeing BMS8-346B and Airbus 10-05-004. Suitable for die cutting.	9.0 (0.229)	40 (44.8)	60 (1.07)	600%	300°F / 149°C
	D9100 SW	Flame Retardant Polyurethane Moisture Barrier PU Film / PU Adhesive Self Wound		Clear	A tough, exceptionally elastic & durable polyurethane film designed as a moisture seal for floor joints in wet areas. Can be applied directly over wet sealants. Meets FAR 25.853(a), Boeing BMS8-346B and Airbus 10-05-004.	9.0 (0.229)	50 (54.7)	60 (1.07)	600%	300°F / 150°C
	D9180	Flame Retardant Polyurethane Moisture Barrier PU Film / PU Adhesive 92lb Paper Liner		Clear	A tough, exceptionally elastic & durable polyurethane film designed as a moisture seal for floor joints in wet areas. Non yellowing. Can be applied directly over wet sealants. Meets FAR 25.853(a). Suitable for die cutting.	14.0 (0.356)	45 (50.4)	100 (1.79)	600%	300°F / 150°C
	D9200	Flame Retardant Polyurethane Moisture Barrier PU Film / Acrylic HDPE Liner		Clear	A tough, exceptionally elastic & durable polyurethane film designed as a moisture seal for floor joints in wet areas. Can be applied directly over wet sealants. Meets FAR 25.853(a). Suitable for die cutting.	14.0 (0.356)	80 (89.6)	90 (1.61)	500%	275°F / 135°C
 9425FR	Flame Retardant Polyurethane Moisture Barrier PU Film / Acrylic HDPE Liner		Clear	Bromide and Halogen-Free. A tough, lightweight, durable polyurethane film designed as a moisture seal for floor joints in wet areas. Can be applied directly over wet sealants. Meets FAR 25.853(a), EU 76/769/EEC and BMS8-346B. Suitable for die-cutting.	6.1 (0.162)	35 (39)	9926psi (0.38N/mm)	490%	275°F / 135°C	
Leading Edge	8300	Leading Edge Tape Polyurethane / Acrylic 92lb Paper Liner		Clear	Exterior surface protection film for aircraft leading and trailing edges. Protects aluminum skin from foreign object damage and rain erosion. Flexible, tough, and UV resistant.	14.5 (0.368)	110 (112)	80 (1.43)	500%	275°F / 135°C



Product	Description Backing / Adhesive	Brand	Colors	Application	Thickness* Mils (mm)	Adhesion to steel oz/in (g/mm)	Tensile Strength lb/in (kg/mm)	Elongation %	Max Temp °F	
Duct	231	Premium Waterproof Duct Tape PE Coated Cloth/Rubber <u>Unprinted</u> Self Wound	<b>POLYKEN</b>	Black or Olive Drab	Quality waterproof packaging tape for military packaging, rivet protection for fuel bladders, and other demanding applications. Meets ASTM D-5486 Type IV Class 1 (formerly PPP-T-60E).	12.0 (0.305)	80 (87.5)	50 (0.89)	5%	200°F / 93°C
	225FR	Flame Retardant Duct Tape PE Coated Cloth/Rubber <u>Printed or unprinted</u> Self Wound	<b>POLYKEN</b>	Silver or White	Used in areas where flame retardancy is required. For sealing duct work, fiberglass insulation, as well as wire harness insulation and building applications. Meets FAR 25.853(a)	12.0 (0.305)	40 (44.8)	29 (0.52)	5%	180°F / 82°C
Harness	342	Heat Reflective Tape Aluminum / Fiberglass Composite w/ High Temp Silicone Adhesive	<b>POLYKEN</b>	Metallic	High temperature resistance & reflectivity wiring harness tape. Rated up to 347°F (175 °C). Hand tearable, flame retardant, self extinguishing, excellent conformability. Meets ISO-3795, FAR 25.853(a), FAR 25.855(d).	6.5 (0.165)	35 (39.1) (to PVC)	113 (2.02)	N/A	347°F / 175°C
Surface Protection & Masking	2730 A	Heavy-weight Rubber-Saturated Protective Paper Paper / Low-Peel Synthetic Rubber	<b>PATCO</b>	Natural	Residue free temporary protective covering for polished metal, aluminum and composite surfaces. "Wing Walk" aircraft wing protection. Protects carpeting, windows, and flooring.	16.0 (0.406)	35 (39.2)	54 (0.98)	10%	160°F / 71°C
	5410	UV Resistant Sealing & Preservation tape Low density Polyethylene / Rubber Self Wound	<b>PATCO</b>	White	Long term preservation, sealing, and splicing applications. Direct protective mask on aircraft, trucks, boats, and industrial equipment during outdoor storage. Works well with outdoor shrink film. UV & weather resistant. Clean removal.	9.0 (0.229)	34 (38)	17 (0.30)	400%	180°F / 82°C
	179	High Temp PVC Fineline Masking PVC / Rubber Self Wound	<b>PATCO</b>	Blue Matte	Mask color separations on plastic (TPO & RIM) fascia, trim and finished metals in high temperatures (280° F/45 min). OEM paintline and powerwash operations. Short term outdoor masking (72 hours).	5.0 (0.127)	13 (14.2)	11 (0.20)	100%	280°F / 138°C
	3305	Fineline Masking Embossed Polypropylene / Urethane Self Wound	<b>PATCO</b>	Green	OEM grade fineline masking. Embossed PP film offers conformability, solvent and water resistance with a pigmented green polyurethane adhesive that adheres well to many surfaces.	5.0 (0.127)	30 (33.6)	13 (0.23)	700%	280°F / 138°C
	1776A	Low Stretch Fineline Masking Matte PVC Film / Rubber Self Wound or Liner	<b>PATCO</b>	Yellow	Clean removal, chemical resistant fineline masking tape for polished metals, aluminum, RIM & TPO Plastics. Highly conformable. Handles detailed compound curves. Short outdoor use (72 hrs).	5.4 (0.137)	26 (29.1)	16 (0.29)	200%	325°F / 163°C
	781	High Temperature Masking/Flash breaker Tape PET Film/Silicone Self Wound	<b>POLYKEN</b>	Blue	High Temperature (395°F) Masking Flash masking for composite and metal bonding, securing vacuum bagging materials, powder coat paint masking, Clean removal, autoclavable.	2.8 (0.071)	35 (383)	25 (.44)	130%	395°F / 202°C
	5560	Polyethylene Protective Tape Polyethylene / Acrylic Self Wound	<b>PATCO</b>	Clear or Tinted Orange	Excellent short term surface protection for various Aircraft painted or bare metal, plastic and composite surfaces during manufacturing & MRO service periods. Interior use only.	5.5 (0.139)	13 (142)	11 (0.19)	390%	250°F / 121°C
	8450	Polyurethane Protective Tape Polyurethane / Acrylic 92lb paper liner	<b>PATCO</b>	Black	Heavy duty surface protection on most metals and plastics from chipping, scratching, and abrasion. Squeak and rattle reduction. Insulation and sound damping.	9.5 (0.241)	90 (100.8)	32 (0.57)	630%	250°F / 121°C
Foil	345	Foil Masking "Speed Tape" Aluminum Foil / Acrylic Self Wound	<b>POLYKEN</b>	Silver	"Speed Tape." Aircraft sealing and masking applications. Window mask to protect aircraft canopies, windshields from crazing and/or hazing during paint stripping. Used as a moisture barrier. Meets FAR 25.853(a) and L-T-80B. May meet - SAE-AMS-T-23397.	5.5 (0.140)	55 (61.6)	26 (0.47)	8%	300°F / 150°C
	347	Foil Masking w/Liner Aluminum Foil / Acrylic Liner	<b>POLYKEN</b>	Silver	Linered wide width aircraft sealing and masking applications. Protection of aircraft canopies, windshields from crazing during paint stripping. Provides protective cover. Available in wide widths. Meets 25.853 (a). May meet SAE - AMS -T -23397 or L-T-80B.	5.5 (0.140)	55 (61.6)	26 (0.47)	8%	300°F / 150°C



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The PATCO™ and POLYKEN® commitment to the Aerospace industry has resulted in a specialty line of products engineered to meet the rigorous requirements of both the OEM and aircraft maintenance markets. With approvals by Boeing, Airbus, McDonnell Douglas, Lockheed, Gulfstream and many major airlines, PATCO and POLYKEN are the clear leading brands providing high quality, high performance materials. Manufactured by Berry Plastics, PATCO and POLYKEN continues to innovate with new products designed to meet modern industry specifications.

SPECIFICATION NO.	SPECIFIER	PRODUCT NO.	DESCRIPTION/USES
AIMS 10-05-004A	Airbus	Patco D9100	Aerospace moisture barrier film.
AIMS 10-05-004A	Airbus	Patco D9100 SW	Aerospace moisture barrier film.
ASTM D-5486	Federal	Polyken 231	Waterproof packaging tape.
BMS5-133E	Boeing	Polyken 108	Aerospace carpet bonding.
BMS5-146G	Boeing	Polyken 296FR	Aerospace cargo panel seam tape.
BMS8-346B	Boeing	Patco D9100	Aerospace moisture barrier film.
BMS8-346B	Boeing	Patco D9100 SW	Aerospace moisture barrier film.
BMS8-346B	Boeing	Patco 9425FR	Aerospace moisture barrier film.
DMS 1968E	McDonnell-Douglas	Polyken 225FR	Aerospace cargo & duct seam tape.
EU 76/769/EEC	European Union	Polyken 296FR	Aerospace cargo panel seam tape.
EU 76/769/EEC	European Union	Patco 9425FR	Aerospace moisture barrier film.
FAR 25.853A	FAA	Polyken 290FR	Aerospace cargo panel seam tape.
FAR 25.853A	FAA	Polyken 294FR	Aerospace cargo panel seam tape.
FAR 25.853A	FAA	Polyken 297FR	Aerospace cargo panel seam tape.
FAR 25.853A	FAA	Polyken 296FR	Aerospace cargo panel seam tape.
FAR 25.853A	FAA	Polyken 108	Aerospace carpet bonding.
FAR 25.853A	FAA	Polyken 225FR	Aerospace cargo & duct seam tape.
FAR 25.853A	FAA	Polyken 345	Aluminum foil tape for aircraft paint stripping.
FAR 25.853A	FAA	Polyken 347	Aluminum foil tape for aircraft paint stripping.
FAR 25.853A	FAA	Patco 1800	Aerospace moisture barrier film.
FAR 25.853A	FAA	Patco 9425FR	Aerospace moisture barrier film.
FAR 25.855D	FAA	Polyken 290FR	Aerospace cargo panel seam tape.
FAR 25.855D	FAA	Polyken 294FR	Aerospace cargo panel seam tape.
FAR 25.855D	FAA	Polyken 297FR	Aerospace cargo panel seam tape.
FAR 25.855D	FAA	Polyken 296FR	Aerospace cargo panel seam tape.
LCP-86-1226-A	Lockheed	Polyken 225FR	Aerospace cargo & duct seam tape.
L-T-80B	Military	Polyken 345	Aluminum foil tape for aircraft paint stripping.
L-T-80B	Military	Polyken 347	Aluminum foil tape for aircraft paint stripping.
PPP-T-60E	Federal	Polyken 231	Waterproof packaging tape.
PPP-T-60E	Federal	Patco 152	PVC color coding tape.
UL-510	Underwriters Laboratories	Berry B17	General purpose colored electrical tape.
UL-510	Underwriters Laboratories	Berry 777	General purpose black electrical tape.
UL-510	Underwriters Laboratories	Polyken 821	Polyethylene film electrical tape.
UL-510	Underwriters Laboratories	Polyken 823	Polyethylene film electrical tape.
UL-510	Underwriters Laboratories	Berry B17 & 777	General purpose colored electrical tape.
UL-510	Underwriters Laboratories	Polyken 821	Polyethylene film electrical tape.
UL-510	Underwriters Laboratories	Polyken 823	Polyethylene film electrical tape.
UL-510	Underwriters Laboratories	Nashua Stretch & Seal	Self-Fusing Silicone tape.

### Polyken & Patco Cross Reference Guide

Tape	Berry	3M	Permacel	Intertape	Shurtape	ATP	Scapa	Mask-Off	Orcon
Carpet	108		P-51, P-55				3401, 3405		OT-40
Vinyl	152	471	P-33, P-34		VP-410	CVT-636P			
Fineline	179	471, 4737							
Duct	231	390	P-672		PC-625				
Cargo Pit Tape	297	3675	P-621						
Foil	345	363	P-10			GC-SA7			
Foil	345	425	P-11			AF-30SW	T3612		
Foil	347	427	P-11L			AF-30A			
Surface Protection	5560							Protex 105	
Fineline	1776A	471, 213, 218							
Fineline	3305	213, 218							
Preservation	5410	481, 4811					134		
Cargo/Duct	225FR				PC-21F		T3601		OT-53
Protective	2730A	346						Protex 10V	
Cargo Pit Tape	290FR						T3605		
Cargo Pit Tape	294FR						T3601		
Cargo Pit Tape	296FR	398FR							
Polyethylene	502A, 503A, 503R	480, 483			VP-555				
Hi Temp Masking	781	8902	PS-1	6215					
Autoclave	781	8902	PS-1	6215					
PVC Moisture Barrier	1800		P-306L				573, 572		
PU Moisture Barrier	9425FR	8686							
PU Moisture Barrier	D9200, D9180	8663, 8671							
Leading Edge Tape	8300	8671, 8663, 8674					P2604		
PU Moisture Barrier	D9100	8562, 8672							
PU Protective	8150	8561							
Wiring Harness	342	365, 3650	P-21			GC-RB7			

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