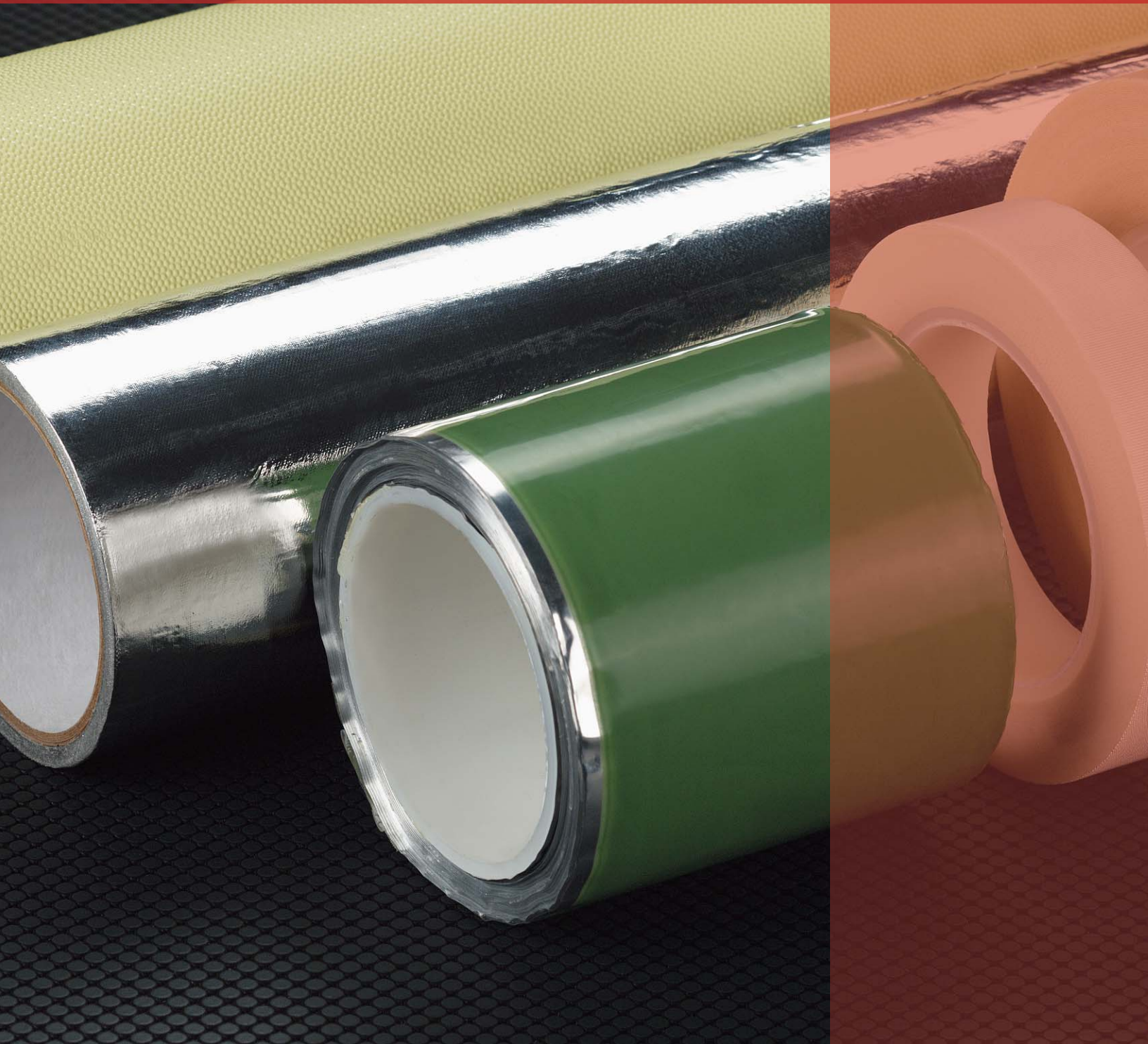


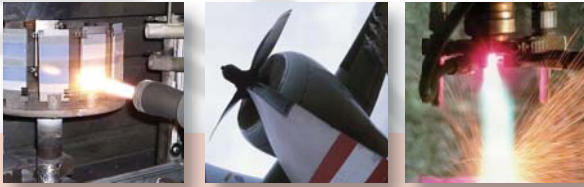
# PLASMA SPRAY TAPES



CURBELL PLASTICS, INC.

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Plasma Spray tapes are often used in the aerospace industry. These tapes are used to mask-off areas on a part that will have a hot ceramic, polymer, or powdered metal coating applied to it.

**KEY CHARACTERISTICS OF PLASMA SPRAY TAPES:**

- Used as a masking tape in the Plasma Spray process
- Very abrasion and thermal resistant
- Minimal residue left behind when the tape is removed
- Easy wrapping of complex shapes
- High temperature range (-100°F-500°F)
- Silicone adhesive only, for high temperature demands

**2975 GLASS-SILICONE TAPE**

- This tape is a high temperature silicone adhesive coated tape with silicone/glass fabric reinforcement
- Commonly used for grit blasting and flame metal spray applications
- Low residue when removed
- Single sided silicone adhesive system
- Common thicknesses: .008"
- White color, yellow poly liner

**2905 GLASS-CLOTH TAPE**

- This tape is fabricated from a tightly woven, high tensile strength glass cloth with a high temperature silicone adhesive on two sides
- Commonly used as an underwrap for other tapes
- Superior adhesion when wrapping face to back
- Double sided silicone adhesive system
- Common thicknesses: .007", .010"
- White color, yellow poly or kraft paper liner

**2915 GLASS-CLOTH TAPE**

- This tape is fabricated from a tightly woven, high tensile strength glass cloth with a high temperature silicone adhesive on one side
- Commonly used as an underwrap for other tapes
- Single sided silicone adhesive system
- Common thicknesses: .007", .010"
- White color, no liner

**2925 GLASS-FOIL TAPE**

- This tape features a thin aluminum foil, laminated to a fiberglass cloth with a high temperature silicone adhesive on one side
- Commonly used in HVOF (high velocity oxygen fueled) applications. This is a type of thermal spray process used to apply very dense coatings. Coatings applied by HVOF usually have better mechanical properties than those applied by air plasma spray
- Very abrasion resistant, excellent resistance to blast through
- Single sided silicone adhesive system
- Common thicknesses: .007", .010"
- Silver color, no liner

**2975-8R GLASS-SILICONE TAPE PERFORMANCE:**

UNITS		2975-8R
Backing material		Glass-Silicone
Adhesive type		Silicone
Total thickness	inches	.0105
Backing thickness	inches	.0070
Adhesive thickness	inches	.0035
Adhesion to steel	oz/in	50
Elongation	% at break	5
Operating temperature	°F	-100°-500°
Break strength	lbs/in	150
Dielectric strength	volts	7000
Color		White

**2905 GLASS CLOTH TAPE PERFORMANCE:**

UNITS		2905-7R	2905-10R
Backing material		Glass-Cloth	Glass-Cloth
Adhesive type		Silicone	Silicone
Total thickness	inches	.0070	.0105
Backing thickness	inches	.0045	.0065
Adhesive thickness	inches	.0025	.0040
Adhesion to steel	oz/in	40	25
Elongation	% at break	10	10
Operating temperature	°F	-100°-500°	-100°-500°
Break strength	lbs/in	175	225
Dielectric strength	volts	N/A	8000
Color	°F	White	White

**2915 GLASS CLOTH TAPE PERFORMANCE:**

UNITS		2915-7	2915-10
Backing material		Glass-Silicone	Glass-Silicone
Adhesive type		Silicone	Silicone
Total thickness	inches	.0070	.0100
Backing thickness	inches	.0045	.0055
Adhesive thickness	inches	.0025	.0045
Adhesion to steel	oz/in	40	40
Elongation	% at break	N/A	N/A
Operating temperature	°F	-100°-500°	-100°-500°
Break strength	lbs/in	160	175
Dielectric strength	volts	4500	5000
Color	°F	White	White

**2925 GLASS-FOIL TAPE PERFORMANCE:**

UNITS		2925-7	2925-11
Backing material		Glass-Silicone	Glass-Silicone
Adhesive type		Silicone	Silicone
Total thickness	inches	.0070	.0110
Backing thickness	inches	.0025	.0075
Adhesive thickness	inches	.0045	.0035
Adhesion to steel	oz/in	60	75
Elongation	% at break	7	7
Operating temperature	°F	-100°-500°	-100°-500°
Break strength	lbs/in	130	200
Dielectric strength	volts	N/A	N/A
Color	°F	Silver	Silver

Values shown are typical. Values may vary according to brand name. Please ask your Curbell Plastics representative for more specific information about an individual brand.

## PLASMA SPRAY TAPE COMPARISON CHART:

MATERIAL	LIGHT DUTY	HEAVY DUTY	HIGH TEMPERATURE (UP TO 500°F)	ONE-SIDED ADHESIVE	TWO-SIDED ADHESIVE	WITH LINER	NO LINER	COMMON THICKNESSES	108' ROLLS
2975 Glass-Silicone		X	X	X		yellow poly		.008"	X
2905 Glass-Cloth		X	X		X	yellow poly, kraft paper		.007"	X
2915 Glass-Cloth	X		X	X			X	.007", .010"	X
2925 Glass-Foil		X	X	X			X	.007", .011"	X

## PLASMA SPRAY TAPE APPLICATIONS:

MATERIAL	GRIT BLASTING	UNDERWRAP	FLAME METAL SPRAY	HVOF
2975 Glass-Silicone	X		X	
2905 Glass-Cloth		X		
2915 Glass-Cloth		X		
2925 Glass-Foil				X

## OUR FULL LINE OF AVAILABLE TAPES:

### HIGH PERFORMANCE TAPES

- AT-1 double-sided very high bond acrylic, clear
- AT-2 double-sided very high bond acrylic, gray
- AT-3 double-sided very high bond acrylic, translucent
- AT-4 one-sided adhesive acrylic, clear
- 2815 PTFE coated glass cloth
- 2905 double-sided glass, cloth
- 2915 fiberglass glass, cloth
- 2925 aluminum glass, foil
- 2975 glass silicone
- Foam
- MRO supply
- Siliconized foam rubber
- Transfer
- VHB

### PTFE FABRICS AND BELTS

- 380 Premium
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- 382 Mechanical
- 385 Anti-static
- 384 Porous
- Tear / Crease resistant
- PTFE fabric belts

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- 2255 high modulus PTFE, gray
- 2275 extruded, oriented, high modulus PTFE, red
- 2275 extruded, oriented high modulus PTFE, orange
- 2302 UHMW
- 2345 Polyimide/Kapton®

### MISCELLANEOUS TAPES

- Aisle marking
- Aluminum foil
- Appliance
- Athletic cloth
- ATG
- Bag sealing (UPVC)
- Barricade
- Bookbinding
- Camouflage
- Carpet (double-coated)
- Carton sealing
- Cellophane
- Circuit board
- Copper foil
- Differential adhesive
- Double-coated
- Dry vinyl
- Duct
- Edge seal
- Electrical
- Electroplating

- Extended liner
- Filament
- Flatback paper
- Fluorescent
- Foam
- Foil
- Friction
- Gaffer's
- Glazing
- Glow-in-the-dark (photoluminescent)
- Graphic arts
- Hazard identification
- Kraft paper
- Label protection/ Lamination
- Lead foil
- Litho
- Magnetic
- Masking
- Mylar

- Photoluminescent (glow-in-the-dark)
- Pipe thread seal (PTFE)
- Pipe wrap
- Polyester film
- Pouch
- Produce (UPVC)
- PVC bag and carton sealing tapes
- Reflective
- Safety
- Silicone splicing
- Skid-resistant
- Splicing
- Strapping
- Striped safety
- Tamper-evident
- Transfer
- Vinyl (SPVC)

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