

# THERMAL SPRAY TAPES



## THERMAL SPRAY TAPES

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- Designed to withstand the most demanding plasma, flame spray, and grit blasting applications
- Perform well in a wide range of applications
- Excellent choice for combining conformability with thermal and abrasion resistance

## TYPICAL APPLICATIONS

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### ■ PLASMA SPRAY APPLICATIONS

**Benefits:** Silicone glass tapes are designed to withstand the most demanding applications, including plasma, flame spray, and grit blasting. They are constructed of a silicone rubber and glass fabric composite and have excellent abrasion resistance.

### ■ MASKING APPLICATIONS

**Benefits:** Glass fabric tapes are versatile and reliable, and are an excellent choice as a masking tape.



## 2975-8R GLASS – SILICONE

### OVERVIEW

Curbell Specialty Products 2975 is a silicone rubber/glass cloth backing coated with an aggressive high-temperature silicone adhesive.

### APPLICATIONS

- Plasma spray masking tape (Industries include jet engine manufacturers, overhaul centers, major airline maintenance centers, air force bases, and naval air rework facilities)

### FEATURES

- Excellent strength and flexibility
- Easy wrapping of complex shapes
- Minimal wrinkling
- Able to withstand abrasion and grit blasting
- Resistant to continuous temperatures up to 500° F
- Tape stays in place even at high temperatures

## PERFORMANCE

PROPERTY	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/inch	50
Elongation	% at break	5
Operating Temperature	°F	-100°-500°
Break Strength	lbs/in	150
Dielectric Strength	volts	7000
Color		White

\* Values shown are typical

## 2915 GLASS – CLOTH

### ■ OVERVIEW

Curbell Specialty Products 2915 is manufactured from a high-temperature glass cloth tape with a durable woven fiberglass backing coated with a high-temperature silicone adhesive.

### ■ APPLICATIONS

- General industry electrical maintenance
- High temperature splicing and wrapping
- Over-wrap on motor rewinds
- Protective wrapping for wire and cables
- High-temperature masking for welding stainless steel
- Light duty plasma and flame spray

### ■ FEATURES

- Exceptionally strong
- Abrasion resistant
- Maximum solvent resistance
- Resistant to continuous temperatures up to 500° F

## PERFORMANCE

PROPERTY	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/inch	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		White	White

\* Values shown are typical



## 2925 GLASS – FOIL

### OVERVIEW

Curbell Specialty Products 2925 is manufactured from a thin aluminum foil laminated to a high-temperature glass tape with high-temperature silicone pressure sensitive adhesive on one side.

### APPLICATIONS

- Plasma and flame spray masking tape  
(Industries include aerospace and automotive)

### FEATURES

- Resistant to continuous temperatures up to 500° F
- Tape stays in place even at high temperatures
- Excellent strength and flexibility
- Easy wrapping of complex shapes

## PERFORMANCE

PROPERTY	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/inch	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		Silver	Silver

\* Values shown are typical

## 2905 GLASS – CLOTH

### ■ OVERVIEW

Curbell Specialty Products 2905 is manufactured from a high-grade heat resistant glass cloth backing coated with a high-temperature silicone adhesive on both sides.

### ■ APPLICATIONS

- High temperature masking tape for metalizing or plasma spray coatings
- High temperature splicing
- Holding tape for components on a circuit board
- Inner wrap for coils and transformers

### ■ FEATURES

- Resistant to continuous temperatures up to 500° F
- Non-corrosive
- Abrasion resistant
- Edge tear resistant
- Conformable

## PERFORMANCE

PROPERTY	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/inch	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		White	White

\* Values shown are typical