



Transparent Polyester / Silicone Tape 8911 – 8911L (Linered)

Product Data Sheet

Updated : March 2001
Supersedes :

Product Description

A transparent high temperature polyester tape with a silicone adhesive for use in composite bonding, splicing and other polyester tape applications requiring transparent tape.

Physical Properties

Not for specification purposes

Adhesive Type	Silicone
Backing	Polyester
Colour	Transparent
Liner	Transparent Polyester Film (8911L only)
Shelf Life	18 months from the date of manufacture when stored in a clean, dry environment between 15-27°C and 40-50 % relative humidity.

Performance

Characteristics

Not for specification purposes

Adhesion to Steel ASTM D-3330	3.3 N/10mm
Tensile Strength ASTM D-3759	52.5 N/10mm
Elongation at Break ASTM D-3759	100 %
Backing Thickness	0.025 mm
Total Tape Thickness (excluding liner) ASTM D-3652	0.08 mm
Liner Thickness (3675L only)	0.05 mm
Liner Release (180° at 2286 mm/min) (3675L only) 3M TM 1717	9.8 cN/25mm
Temperature Use Range	Up to 218 °C

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General Information

- This tape is designed to provide clean removal during masking operations involving high temperatures and pressure.

Application Ideas

- Masking edges of overlap seams in metal bonding process where excess epoxy ("flash") flows onto the tape. Clean-up is complete upon tape removal.
- Composite and Metal Bonding - This tape removes cleanly from stainless steel, anodized aluminum and glass after a 4 hour bake cycle at 177°C.
- High temperature label protection.
- Transparent splicing of silicone treated materials, including paper, liners and films.
- 1 hour photo lab splicing tape.
- Electrical insulation tape.
- Circuit board masking.
- Masking parts in an anodizing process.

FEATURES	ADVANTAGES	BENEFITS
Polyester Film	Retains flexibility and thermal resistance	Helps to reduce failures due to cracking
	Abrasion, chemical and thermal resistance	Helps reduce failures due to backing deterioration
Silicone Adhesive	Higher heat resistance than many other adhesives	Helps reduce failure due to softening, oozing, adhesive transfer

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Values presented have been determined by standard test methods and are average values not to be used for specification purposes. Our recommendations on the use of our products are based on tests believed to be reliable but we would ask that you conduct your own tests to determine their suitability for your applications. This is because 3M cannot accept any responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations.



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