



Technical Data Sheet

3M™ Polyester Tape 8901

Product Description

3M™ Polyester Tapes 8901 is made with strong polyester backing and silicone adhesive, allowing it to be used in applications requiring high temperatures or adhesion to silicone treated surfaces. This tape family offers a range of backing thickness to accommodate application needs from thin tape for splicing to a thicker, stronger tape from pulling through flashing or multiple layers.

Product Features

- Polyester films offer excellent thermal, abrasion, and chemical resistance while maintaining their flexibility.
- Silicone adhesives offer high heat resistance compared to many rubber and acrylic adhesives, reducing failure due to softening, oozing and adhesive transfer.
- Silicone adhesives adhere well to tough-to-stick-to surfaces like silicone liners and fixtures coated with mold release.
- Removes cleanly from stainless steel, anodized aluminum and glass after a 5 hour. bake cycle at 350°F (177°C).

Blue

• Variety of tape thicknesses offered allows uses for multiple applications.

Technical Information Note

Typical Physical Properties

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Property Values Additional Information Backing Polyester Adhesive Type Silicone

Backing Thickness (mm)	0.02 mm	View ^
Test Method: ASTM D3652		
Total Tape Thickness (mil)	2.4 mil	View ^

Test Method: ASTM D3652

Color

Total Tape Thickness (mm)

0.06 mm

View

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Test Method: ASTM D3652

Backing Thickness	0.9 mil	View ^
Test Method: ASTM D3652		
ypical Performance Characteristics		
Property	Values	Additional Information
Tensile Strength	45.5 N/cm	View ^
Test Method: ASTM D3759		
180° Peel Adhesion	3.2 N/cm	View ^
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		
180° Peel Adhesion	29 oz/in	View ^
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		
Tensile Strength	416 oz/in	View ^
Test Method: ASTM D3759		
Elongation at Break (%)	115 %	View ^
Test Method: ASTM D3759		
Long Term Temp C	204 °C	View ^
Test Condition: Long Term (day, weeks)		
Long Term Temp F	400 °F	View ^
Test Condition: Long Term (day, weeks)		
Available Sizes		
Property	Values	Additional Information
Standard Roll Length	65.8 m	
Standard Roll Length	72 yd	



Storage and Shelf Life

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton.

To obtain best performance, use this product within 24 months from date of manufacture.

Bottom Matter

3M

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Trademarks

3M is a trademark of 3M Company.

Handling/Application Information

Application Examples

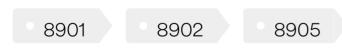
- Splicing of silicone treated webs.
- Masking parts for powder coat painting
- Holding parts or sealing vacuum bags during processing
- Masking edges of overlap seams in metal bonding process where excess adhesive flows onto tape. Minimizes clean-up on tape removal.
- Composite bonding sticks well to molds treated with release agent, works as a flash breaker tape on removal of part from mold, seals vacuum bags if vacuum bag treatment is part of the process.
- Provides a good barrier for separation of dissimilar metals.
- Holding silicone or silicone treated parts.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/p/d/b40070590/
Safety Data Sheet SDS	https://www.3m.com/3M/en_US/company-us/SDS-search/results/? gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=8901

Family Group

Link Tags:



Products	Adhesive Type	Color	Backing Thickness (mm)	Tensile Strength	Long Term Temp	Long Term Temp
8902	Silicone	Blue	0.05 mm	101.5 N/cm	204 °C	400 °F
8905	Silicone	Blue	0.12 mm	238 N/cm	204 °C	400 °F
8901	Silicone	Blue	0.02 mm	45.5 N/cm	204 °C	400 °F

ISO Statement

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.

Information



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