

Technical Data Sheet

3M™ Multi-Purpose Duct Tape 3900

Product Description

3M™ Multi-Purpose Duct Tape 3900 is a conformable cloth duct tape made with polyethylene film over cloth scrim and a rubber adhesive. A good choice for general maintenance, bundling, wrapping, attaching, sealing, protecting, and color coding.



Product Features

- Rubber adhesive sticks well to a wide variety of surfaces
- Cloth scrim tears by hand in both directions.
- Backing has good tensile strength, ideal for bundling materials.
- Polyethylene backing resists moisture prolonging the tape bond in moist or humid environments.
- Conformable and can be applied to irregular surfaces.
- Seven colors are available for color coding or to match a surface.

Technical Information Note








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

Typical Physical Properties

Property	Values	Additional Information
Backing	Polyethylene film over cloth scrim	
Adhesive Type	Rubber	
Color	Blue, black, olive, red, silver, white, yellow, orange	
Total Tape Thickness (mil)	7.6 mil	View 
Test Method: ASTM D3652		
Total Tape Thickness (mm)	0.19 mm	View 
Test Method: ASTM D3652		

Typical Performance Characteristics

Property	Values	Additional Information
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Tensile Strength	49 N/cm	View 
Test Method: ASTM D3759		
180° Peel Adhesion	5.8 N/cm	View 
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		
180° Peel Adhesion	53 oz/in	View 
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		
180° Peel Adhesion	5.8 N/cm	View 
Test Method: ASTM D3330		
Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 23C Temp F: 73F		
180° Peel Adhesion	53 oz/in	View 
Test Method: ASTM D3330		
Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 23C Temp F: 73F		
Tensile Strength (lb/in)	28 lb/in	View 
Test Method: ASTM D3759		
Elongation at Break (%)	19 %	View 
Test Method: ASTM D3759		
Long Term Temperature Resistance	93 °C	
Long Term Temperature Resistance	200 °F	

Available Sizes

Property	Values	Additional Information
Standard Roll Length	54.8 m	
Standard Roll Length		

60 yd

Standard Width	48 mm
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Standard Width	1.88 in
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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 12 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

- General shop and temporary repair activities.
- Sealing, holding, protecting, bundling, color coding.
- Applications requiring moisture resistance.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/p/d/b40065997/
Safety Data Sheet SDS	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=3900

ISO Statement

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

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