



Technical Data Sheet

3M™ Heavy Duty Duct Tape 3939

Product Description

3M™ Duct Tape 3939 is composed of waterproof polyethylene film over cloth scrim backing with a rubber adhesive used for demanding duct tape applications.

Product Features

- Offers easy tear and conformability.
- Low tack roll edges (48 mm) so edges stay cleaner for less surface contamination and less waste.
- Individual roll wrap (48 mm) that preserves integrity of the roll for less waste.
- Product number printed in core to insure that correct product is used.
- Polyethylene coated cloth scrim that resists moisture to prolong tape bond.
- Good tensile strength for tough applications.
- Rubber adhesive that adheres aggressively to most surfaces for good holding power and a tight seal.

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	Silver


Total Tape Thickness (mil)	8.6 mil	View ^
Test Method: ASTM D3652		
Total Tape Thickness (mm)	0.22 mm	View ^
Test Method: ASTM D3652		

Typical Performance Characteristics

Property	Values	Additional Information
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Tensile Strength	47.3 N/cm	View 
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Test Method: ASTM D3759

180° Peel Adhesion	6.3 N/cm	View 
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Test Method: ASTM D3330
Notes: 12 in/min (300 mm/min)

180° Peel Adhesion	58 oz/in	View 
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Test Method: ASTM D3330
Notes: 12 in/min (300 mm/min)

Tensile Strength (lb/in)	27 lb/in	View 
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Test Method: ASTM D3759


Elongation at Break (%)	17 %	View 
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Test Method: ASTM D3759


Long Term Temperature Resistance	93 °C
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Long Term Temperature Resistance	200 °F
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Flame Spread Index	0	View 
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Test Method: ASTM E84
Notes: UL-723, NFPA 255, and UBC 8-1 are publications of the same test method.

Smoke Developed Index	30	View 
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Test Method: ASTM E84
Notes: UL-723, NFPA 255, and UBC 8-1 are publications of the same test method.

Available Sizes

Property	Values	Additional Information
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Standard Roll Length	54.8 m
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Standard Roll Length	60 yd
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Standard Width	24, 48, 72, 96 mm
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Standard Width	0.94, 1.89, 2.83, 3.78 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

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Trademarks

3M is a trademark of 3M Company.

Handling/Application Information

Application Examples

- Hanging polyethylene drapes for containment activities, industrial masking and sandblast overspray protection.
- Patching, reinforcing, bundling, moisture proofing, sealing, splicing, temporary repair.
- Taping and splicing insulation.
- Useful in the convention industry for holding and seaming carpet padding, taping down cords and hinging poster board panels.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/p/d/b40066008/
Safety Data Sheet SDS	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=3939

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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