

March, 2013

# 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.



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## 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		Method
Color	Silver		
Total Tape Thickness	0.22 mm	8.6 mil	ASTM D3652
Backing	Polyethylene film over cloth scrim		
Adhesive	Rubber		

## Typical Performance Characteristics

Property	Values		Method	Dwell/ Cure Time	Dwell Time Units	Temp C	Temp F	Notes
180° Peel Adhesion	6.3 N/cm	58 oz/in	ASTM D3330	72	hr	23C	73F	
Tensile Strength	47.3 N/cm	432 oz/in	ASTM D3759					
Elongation at Break	17%		ASTM D3759					
Temperature Use Range	Up to 93 °C	Up to 200 °F						

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## Typical Performance Characteristics (continued)

Property	Values	Method	Dwell/ Cure Time	Dwell Time Units	Temp C	Temp F	Notes
Flame Spread Index	0	ASTM E84					UL-723, NFPA 255, and UBC 8-1 are publications of the same test method.
Smoke Developed Index	30	ASTM E84					UL-723, NFPA 255, and UBC 8-1 are publications of the same test method.

## Available Sizes

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

## Handling/Application Information

### Application Ideas

- 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.

### 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.

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## Trademarks

3M is a trademark of 3M Company.

## References

Property	Values
3m.com Product Page	<a href="https://www.3m.com/3M/en_US/company-us/all-3m-products/~/%3M-Heavy-Duty-Duct-Tape-3939?N=5002385+3293241051&amp;rt=rud">https://www.3m.com/3M/en_US/company-us/all-3m-products/~/%3M-Heavy-Duty-Duct-Tape-3939?N=5002385+3293241051&amp;rt=rud</a>
Safety Data Sheet (SDS)	<a href="https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&amp;msdsLocale=en_US&amp;co=ptn&amp;q=3939">https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&amp;msdsLocale=en_US&amp;co=ptn&amp;q=3939</a>

## 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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