

# Technical Data Sheet

# 3M™ Electroplating Tape 470

Product Description					
3M™ Electroplating Tape 470 is a conformable a electroplating processes.  Product Features	and abrasion-resistant vinyl tape with excellent re	esistance to most chemicals used in typical			
Product Features					
• Excellent resistance to most chemicals used in 250°F/121°C) and hot caustics may cause weake chlorinated hydrocarbons, and esters, found in la Vinyl backing is conformable • Backing accepts rechnical Information Note	ning of the adhesive bond. • Resists most commo	on solvents, care should be taken to avoid ketones, which may cause the backing to swell or curl.			
The following technical information and data sho	ould be considered representative or typical only	and should not be used for specification purposes.			
Property	Values	Additional Information			
Backing	Vinyl				
	,				
Adhesive Type	Rubber				
Liner Thickness	0.45				
Litter Thickness	0.15 mm				
Color	Tan				
Dooling Thickness (mass)		View A			
Backing Thickness (mm)	0.16 mm	View ^			
Test Method: ASTM D3652					
Total Tape Thickness (mil)	7.1 mil	View ^			
Test Method: ASTM D3652					
Total Tape Thickness (mm)	0.18 mm	View ^			



Test Method: ASTM D3652

Backing Thickness	6.3 mil	View ^
Test Method: ASTM D3652		
Liner Thickness	6.1 mil	

# Typical Performance Characteristics

Property	Values	Additional Information	
Tensile Strength	35 N/cm	View ^	

Test Method: ASTM D3759

180° Peel Adhesion	4 N/cm	View ^
Test Method: ASTM D3330  Notes: 12 in/min (300 mm/min)		
180° Peel Adhesion	37 oz/in	View ^

Test Method: ASTM D3330

Notes: 12 in/min (300 mm/min)

Tensile Strength	320 oz/in	View ^
Test Method: ASTM D3759		
Elongation at Break (%)	180 %	View ^

Test Method: ASTM D3759

Long Term Temp C	121 °C	View ^
Test Condition: Long Term (day, weeks)		
Long Term Temp F	250 °F	View ^

Test Condition: Long Term (day, weeks)

# Available Sizes

Property	Values	Additional Information
Standard Roll Length	33 m	

36 yd



### Storage and Shelf Life

Standard Roll Length

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 18 months from date of manufacture.

#### **Bottom Matter**

3M

Industrial Adhesives and Tapes Division 3M Center, Building 225-3S-06 St. Paul, MN 55144-1000 800-362-3550

#### Trademarks

3M is a trademark of 3M Company.

#### Handling/Application Information

Application Examples

- Masking during many electroplating operations, including both flat strip and overlapping masks.
- Wrapping, patching, coated racks and masking many irregular surfaces.
- Labeling.
- Sealing containers from water intrusion.

### References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/p/d/b40069114/
Safety Data Sheet SDS	https://www.3m.com/3M/en_US/company-us/SDS-search/results/? gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=470

# Family Group

Link Tags:

470

470L

Products	Backing	Adhesive Type	Total Tape Thickness (mm)	Tensile Strength	Long Term Temp C	Long Term Temp F	Liner	Color
470	Vinyl	Rubber	0.18 mm	35 N/cm	121 °C	250 °F	N/A	N/A
470L	Vinyl	N/A	0.18 mm	35 N/cm	121 °C	N/A	Paper	Tan

#### 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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