

# 3M

# Vinyl Tape

## 477

### Technical Data

**Product Description** 3M™ Vinyl Tape 477 is ideal for many heavy duty protection applications, as well as masking and splicing.

Product Construction	Backing	Adhesive	Color	Standard Roll Length
	Transparent vinyl	Rubber	Transparent	36 yds. (33 m)

**Typical Physical Properties** **Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.**

		ASTM Test Method
Adhesion to Steel:	24 oz./in. width (26 N/100 mm)	D-3330
Tensile Strength at Break:	24 lbs./in. width (420 N/100 mm)	D-3759
Elongation at Break:	230%	D-3759
Backing Thickness:	6.0 mils (0.15 mm)	D-3652
Total Tape Thickness:	7.2 mils (0.18 mm)	D-3652
Temperature Use Range:	40° to 170°F (4° to 77°C)	

### Features

- Best results are attained when applied to a clean, dry surface at temperatures between 60° to 80°F (16° to 27°C).
- Conformability and dead stretch properties make it ideal for taping or sealing many curved and irregular surfaces.
- A thick backing makes it ideal for many applications which require abrasion protection.
- While tape resists most common solvents, care should be taken to avoid ketones, chlorinated hydrocarbons and esters that are found in lacquer thinners, degreasers, paint strippers, etc. which may cause the backing to swell or curl.
- Avoid using on highly plasticized materials which may result in adhesive softening and potential adhesion failure.

### Application Ideas

- Protection of parts from abrasion.
- Masking for electroplating and anodizing.
- Splicing of wrestling mats and similar type products.

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

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**Shelf Life** To obtain best performance, use this product within 18 months from date of manufacture.

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**Product Use** All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

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**ISO 9001:2000**

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.



**Industrial Business  
Industrial Adhesives and Tapes Division**

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