

3M

Polyester Tape

8429

Technical Data

January, 2011

Product Description

3M™ Polyester Tape 8429 is composed of a heavy duty polyester backing with an aggressive, versatile rubber adhesive. The polyester backing is strong yet thin making it ideal for demanding applications that require high tensile strength without bulk. The tack level of the rubber adhesive allows it to attach quickly and securely to many surfaces. The yellow color makes the tape visible for splicing applications where the splice needs to be detected.

Product Construction

Backing	Adhesive	Color	Standard Roll Length
Polyester	Rubber with pigment	Yellow	72 yds. (66 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:	69 oz./in. width (75 N/100 mm)	D-3330
Tensile Strength at Break:	54 lbs./in. width (948 N/100 mm)	D-3759
Elongation at Break:	130%	D-3759
Backing Thickness:	2 mils (0.05 mm)	D-3652
Total Tape Thickness:	3.2 mils (0.08 mm)	D-3652
Temperature Use Range:	Remains flexible at -60°F (-50°C) and is dimensionally stable up to 300°F (149°C)	

Features

- 2 mil polyester backing is strong to resist breakage in high tension application.
- Backing thickness also provides additional abrasion protection compared to thinner tapes.
- The stiffness of the 2 mil backing makes for easier handling in that the tape is less apt to curl or fold over on itself.
- Prolonged exposure to sunlight or hot caustics will cause to become brittle and lose tensile strength.
- The aggressive rubber adhesive grabs the surface quickly and adheres well to many surfaces.
- The yellow tape color allows the tape to be seen once it is applied.
- Adhesive has high shear strength and is resistant to many chemicals.
- Adheres well to irregular surfaces.

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- Application Ideas**
- Splicing of photographic leader and film as well as other heavy duty splicing applications.
 - Separation of dissimilar metals.
 - Fabric splicing.
 - Sealing, labeling and protecting.
 - Defect marking.
 - End tabbing.
 - Repairing and reinforcing.

Storage Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 50% R.H. in the original carton.

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

Technical Information The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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