



Permanent Tackified Acrylic Adhesive P1410

Technical Data

May, 2006

Product Description

3M™ Permanent Tackified Acrylic Adhesive P1410 offers excellent adhesion to a wide variety of substrates, including polyolefins.

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.

Adhesion properties determined per TLMI Method using 1.0 mil polyester with 0.9 mil of adhesive on a stainless steel panel.

Peel Adhesion	3.0 lbs./in. (528 N/m)	TLMI Method, 180° Peel, 12"/min., 1" wide sample
Loop Tack	1.8 lbs./in. (316 N/m)	TLMI Method, 12"/min., 1" wide sample
Shear	1.0 hour	TLMI Method, 0.25 in. ² x 500g
Application Temperature	40°F to 120°F (5°C to 49°C)	
Service Temperature*	-20°F to 302°F (-29°C to 150°C)	

*Actual service temperature is a function of the entire construction, including the facestock. Care should be taken to match facestock temperature limitations with the label application requirements.

Features

- High tack
- Moderate water and humidity resistance
- Neutral pH
- Adhesive dry ingredients are listed by FDA as indirect food contact additives when used in food packaging with minimum opportunity for exposure. See 21 CFR 175.105.
- Meets CONEG requirements

Application Ideas

- Drum labels
- PP and PE bottles
- Plastic vials and containers
- Shrink wrap
- Tamper evident labels

Recommended Substrates

- Metal
- Fiber
- HDPE
- Low surface energy plastics
- Non-flame treated surfaces

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Storage Conditions Store under normal conditions of 70°F (21°C) and 50% relative humidity. To minimize the effects of humidity on the products, package the die-cut and printed stock in polyethylene bags. Low density polyethylene (2-4 mils) can help prevent humidity penetration.

Shelf Life To obtain best performance, use this product within two years from the date of manufacture.

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

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**Industrial Business
Converter Markets
Industrial Adhesives and Tapes Division**

1030 Lake Road
Medina, OH 44256-0428
800-422-8116 • 877-722-5072 (fax)
www.3M.com/converter



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