



# PermaTherm

## Insulation Innovation

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### MLS 14 Cryogenic Vapor Barrier Tape

#### DESCRIPTION:

A three-ply laminate made with a 1 mil aluminum foil with 0.5 mil polyester film on both sides and coated with a special cold weather acrylic pressure sensitive adhesive system which combines superior quick stick at normal temperatures with superior low temperature performance below freezing.

#### APPLICATIONS:

This tape is primarily used as a low temperature vapor barrier joint closure system. The polyester coating on both sides of the laminate prevents formation of pinholes.

#### TECHNICAL DATA:

##### IMPERIAL    METRIC

Adhesive Thickness:      1.5 mils (0.0015")    0.0381 mm

Substrate Thickness:    2.5 mils (0.0025")    0.0630

Adhesion:

    Peel (PSTC-1)      60 oz/inch width      17 N/2.5cm

    Shear (PSTC-7) *Indefinite@*      2.2 psi 15.2 kPa

Tensile: (PSTC-31) 15 lbs/inch width    68N/2.5cm

Elongation: 50%    50%

#### **Maximum Continuous Use**

Temperature: 300°F 149°C

Glass Transition

    Temperature (T2): -40°F -40°C

Release Liner:      55 lb. 90 GSM

#### IMPORTANT INFORMATION:

This information cited is in good faith and has been established from sources held to be secure and reliable. The values listed are typical properties and are not intended to be used as specifications for define applications. User must determine the product suitability for the use application and assume all risks and liabilities.