

TA12

Doubled-Sided PET Tape

Technical Data Sheet

Description

Therm-All TA12 is a high performance and versatile double-sided PET tape.

Features

- Works exceptionally well in cold weather and other extreme environmental conditions
- Excellent holding power
- UV resistant

Applications

- Bonds foam, plastics, metals, composites and many other substrates
- Bonds many commercial construction applications, including metal building insulation
- Used for lap seals on laminated, reflective and pipe jacketing insulation
- May also be used to mount smooth surface substrates in freezers

Product Application

Apply to the part to be bonded, ensuring that no air is trapped between the tape and the substrate. Surfaces should be clean and free of dirt, oil, frost etc. Stated temperatures are a suggested range and products may be applied at higher or lower temperatures. Apply with recommended application pressure of 15 pounds per inch of tape width. At the point of final assembly or lamination, remove the release liner and apply with care to avoid wrinkles or trapped air. It is recommended that end user test for suitability in their environment.

Technical Data

Total Thickness:	3.6 mils
Application Temp:	0°F (-17°C) to 125°F (51°C)
Service Temp:	-22°F to 248°F (-30°C to 120°C)
Shelf Life:	12 Months

Disclaimer of Liability

Users should test each product for suitability for their specific purposes since Therm-All has no control over methods of application or conditions of use. THERM-ALL MAKES NO EXPRESS OR IMPLIED WARRANTIES OF ANY KIND INCLUDING MERCHANTABILITY except that products shall be of standard commercial grade to meet our specifications.

TA18 & TA14 Polyethylene Foam Tape

Technical Data Sheet

Description

Therm-All TA18 and TA14 are polyethylene foam tapes coated with high tack rubber adhesive.

Product Application

Apply to the part to be bonded, ensuring that no air is trapped between the tape and the substrate. Surfaces should be clean and free of dirt, oil, frost etc. Stated temperatures are a suggested range and products may be applied at higher or lower temperatures. Apply with recommended application pressure of 15 pounds per inch of tape width. At the point of final assembly or lamination, remove the release liner and apply with care to avoid wrinkles or trapped air.

Technical Data

Size:	TA14: 3" x 1/4" x 50' TA18: 3" x 1/8" x 100'
Adhesive Thickness:	2.6 mils
Liner Thickness:	4.7 mils
Application Temperature:	0°F (-17°C) to 180°F (82°C)
End Use Temperature:	0°F to 180°F (-17°C to 82°C)
Shelf Life:	12 months

Loop Tack

Stainless Steel:	10.4 lbs/in 166.4 oz/in
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Peel Adhesion

Stainless Steel, 30 min dwell:	11 lbs/in 176 oz/in
Stainless Steel, 24 hr dwell:	11 lbs/in 176 oz/in

Shear

1kg weight, 72°F:	100+ hours to fail
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Carrier Thickness:

(TA18) 125 mils R Value:	0.5-0.6
(TA14) 250 mils R Value:	1.0-1.2

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TA34 Synthetic Rubber Transfer Tape

Technical Data Sheet

Description

Therm-All TA34 is an extremely aggressive synthetic rubber transfer tape.

Applications

- Used for mounting trim and insulation panels
- Used for fixing edging, signs, decorative edging and panels
- Bonds to almost all materials including metals, plastics, wood, fibrous and non-fibrous surfaces

Product Application

Apply to the part to be bonded, ensuring that no air is trapped between the tape and the substrate. Surfaces should be clean and free of dirt, oil, frost etc. Stated temperatures are a suggested range and products may be applied at higher or lower temperatures. Apply with recommended application pressure of 15 pounds per inch of tape width. At the point of final assembly or lamination, remove the release liner and apply with care to avoid wrinkles or trapped air. It is recommended that end user test for suitability in their environment.

Technical Data

Adhesive Thickness:	20 mils
Liner Thickness:	3.2 mils
Peel Adhesion @ 1 mil/in of width:	7.5 lbs
Application Temperature Range:	0°F (-17°C) - 120°F (49°C)
Shelf Life:	12 months

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TA56

Semi Pressure Sensitive Adhesive

Technical Data Sheet

Description

Therm-All TA56 is a semi pressure sensitive adhesive with an aggressive, long tack life.

Features

- Brushable and extrudable
- One or two sided applications
- Aggressive, long tack

Applications

- Bonds to almost all materials including metals, plastics, wood, fibrous and non-fibrous surfaces
- During winter months, keep indoors or in warm environment until ready to use

Product Application

Therm-All TA56 should be applied to steel surfaces to be bonded with fabric, allowed to dry, (until non-transferable to finger) then bonded under pressure. When brushing, multiple coats may be required on porous surfaces. When spraying, use of DeVilbiss JGA gun with FX tip and needle or Binks 2001 or 95 gun and 63B tip 2nd needle or similar equipment is satisfactory. Adhesive should be applied at a minimum of 2.0 dry grams per square foot. Apply pressure with a hand laminate roller or nip roller. Bonds should be made as soon practical. If adhesive is left to dry for over 30 minutes, parts should be recoated. Normal coverage required with web spray pattern is approximately 80%; however, porous surfaces may need a second coat. Initial bond is strong enough to allow cutting or trimming immediately although ultimate strength is achieved in 1-3 days. Store away from heat, flames or other sources of ignition.

Technical Data

Solids:	32-28%
Color:	Red
Base:	Synthetic rubber resin
Solvent:	Flammable
Viscosity:	3500-5000 cps
Shelf Life:	18 months

Packaging

1 gallon can
5 gallon pail

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