



**TECHNICAL DATA SHEET**

# Alamotape® 5202 Tacky Thermoset

Alamotape® 5202 Tacky Thermoset has excellent initial tack and peel strength at room temperature - outperforming most Pressure Sensitive Adhesive (PSA) tapes. With added heat and pressure, the adhesive then cures to an even higher bond strength. It is ideally suited for thermoforming applications of dissimilar and low surface energy substrates.

## PRODUCT ATTRIBUTES

- High bond strength to a variety of plastics including PVDF, Olefin, TPO, Kydex, acrylic, carbonate, and PET
- Excellent bonding between dissimilar materials such as metals and plastics
- Can be post cured at higher temperatures to provide improved adhesion and strength

REPRESENTATIVE PHYSICAL PROPERTIES		
PROPERTY	VALUE	TEST METHOD
<b>Quick Stick: 2 mil PET/SS, No Dwell, Lb/in.</b>	12	PSTC-5
<b>Metal Bonding: lb/in.</b> <b>4 mil foil/270 mil aluminum</b> <ul style="list-style-type: none"><li>• Uncured (15-minute dwell)</li><li>• Cured (140°C/20 minutes)</li></ul>	14 20	
<b>Plastic Bonding: lb/in.</b> <b>4 mil PE/185 mil HDPE</b> <ul style="list-style-type: none"><li>• Uncured (15-minute dwell)</li><li>• Cured (140°C/3 minutes)</li></ul>	4 14	
<b>Plastic to Metal Bonding: lb/in.</b> <b>PTEG (4 mil)/270 mil Aluminum</b> <ul style="list-style-type: none"><li>• Uncured (15-minute dwell)</li><li>• Cured (140°C/20 minutes)</li></ul> <b>PVDF (4 mil)/270 mil Aluminum</b> <ul style="list-style-type: none"><li>• Uncured (15-minute dwell)</li><li>• Cured (140°C/20 minutes)</li></ul>	12 18 14 18	
<b>Lap Shear: 1" x 1", 0.5 in/min, psi</b> <u>Aluminum/Aluminum</u> <ul style="list-style-type: none"><li>• Uncured (1-hour dwell)</li><li>• Cured (140°C/60 minutes)</li></ul> <u>Aluminum/Polypropylene</u> <ul style="list-style-type: none"><li>• Uncured (1-hour dwell)</li><li>• Cured (140°C/60 minutes)</li></ul>	180 315 110 325	
<b>Coating Weight: GSM (mil)</b>	47 (2.0)	

## STORAGE

- Shelf Life: one (1) year
- Store in a clean area free from exposure to excessive heat, moisture, or direct sunlight (44% to 55% relative humidity, 50°F to 80°F).

*Product performance will vary in each application and is dependent upon composite construction. Alamotape does not guarantee the replication of this data by third parties. None of the data or statements contained herein is intended to warrant the performance of this product. Data is representative and not intended as a manufacturing specification.*