



TECHNICAL DATA SHEET

5202 Tacky Thermoset

A pressure-sensitive coating that is B stage curable to a permanent thermosetting bond. 5202 is ideal for bonding parts without the need for clamping or the mess associated with liquid adhesives.

PRODUCT ATTRIBUTES

- Pressure sensitive adhesive allows parts to be joined without clamping
- Excellent bond strength after curing at elevated temperatures
- Storage stability under ambient conditions - no need for refrigerated storage
- Good penetration into fiberglass scrim and porous materials
- Good metal to metal bonding
- No messy application associated with liquid dispensed adhesives
- No need to wait for extended times for green strength to develop as with liquid adhesives

REPRESENTATIVE PHYSICAL PROPERTIES		
PROPERTY	VALUE	TEST METHOD
QUICK STICK 2 mil PET/SS, No Dwell, lb/in.	12	PSTC-5
METAL TO METAL BONDING 4 mil foil/270 mil aluminum 15-minute dwell lb/in.	14	
METAL TO PLASTIC BONDING 4 mil foil/185 mil HDPE 15-minute dwell lb/in.	14	
PLASTIC TO METAL BONDING lb/in. 15min dwell PETG (4 mil)/270 mil Aluminum PVDF (4 mil)/270 mil Aluminum	12 14	
UNCURED LAP SHEAR 1"x1", 0.5 in/min, psi Aluminum/Aluminum 1-hour dwell Aluminum/Polypropylene 1-hour dwell	180 110	
DIELECTRIC STRENGTH (kV)	10	
TENSILE STRENGTH (psi)	91	
SUBSTRATE	4 mil PET	
LINER	55# Glassine	
COATING WEIGHT (GSM)	47/(2.0)	

Lamination Parameters are to be used as guidelines only. Samples should be tested for each application to insure proper usability. Parameters can be adjusted to match performance requirements, but curing temperature should never fall below 310°F.

STORAGE

- Shelf life: one (1) year from the date of shipment.
- Store in a clean area free from exposure to excessive heat, moisture, or direct sunlight (50°F to 80°F).

Product performance will vary in each application and is dependent upon composite construction. Arlon Innovations 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.