



NECAL Corporation

Stick with Us

# Technical Data Sheet

## NECAL 8199-110 DOUBLE SIDED POLYURETHANE FOAM TAPE

### DESCRIPTION

NECAL 8199-110 is a double sided foam tape, comprised of a microcellular polyurethane foam coated with a permanent pressure sensitive adhesive on both sides that historically has exhibited high performance in automotive applications.

### FEATURES

NECAL 8199-110 is primarily intended for exterior use where extreme high performance is needed, displaying superior impact and vibration resistance.

### PHYSICAL PROPERTIES

|   |   |
|---|---|
| Thickness (without liner):                    | 97-127 mils (total)   |
| Construction:                                 | Acrylic adhesive on both sides of a black microcellular polyurethane foam   |
| Release Liner:                                | Available with P, W, H, J, VF, P1, H2 or W1 liners  |
| 180° Peel from Stainless Steel (both passes): | >2 lbs. after 16 hour dwell (PSTC-101)  |
| 90° Peel from Stainless Steel (both passes):  | >2 lbs. after 24 hour dwell (PSTC-101)  |
| Shear Adhesion:                               | >7 days (1 inch x 1 inch x 1000 g @ 72°F)   |
| Temperature Range:                            | Application: 50°F. Minimum<br>Service: -40°F. Minimum<br>Short Term (minutes/hours): 400°F.<br>Long Term (days/weeks): 300°F. |

All tests conducted with 2 mil PET backing

### BONDING INSTRUCTIONS

Remove the release liner and apply to a clean, dry substrate. Use firm pressure to obtain maximum contact. Increasing application force will optimize bond strength to surface. The adhesive will reach maximum bond after 72 hours.

### STORAGE DATA

The shelf life of this material is at least two years when stored at 72°F and 50% relative humidity. Increased temperatures and/or humidity will affect performance characteristics.

### NOTICE

The information shown here represents typical values, which may vary with each application. The values are not intended to be a performance guarantee and are not intended to be utilized for setting specifications. Users should determine, prior to use, the suitability of this material for their application.

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