



NECAL Corporation

Stick with Us

Technical Data Sheet

NECAL 8199-45 DOUBLE SIDED POLYURETHANE FOAM TAPE

DESCRIPTION

NECAL 8199-45 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 8199-45 is primarily intended for exterior use where extreme high performance is needed, displaying superior impact and vibration resistance.

PHYSICAL PROPERTIES

Thickness (without liner):	45-59 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):	>4 lbs. after 16 hour dwell (PSTC-101)
90° Peel from Stainless Steel (both passes):	>3 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 Service: -40°F. Minimum Short Term (minutes/hours): 400°F. 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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