

PRODUCT DATA SHEET



1832F HIGH DENSITY “NOISE BLOCK” SHEET

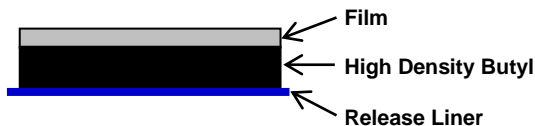
GENERAL DESCRIPTION

A high-density, pressure-sensitive elastomeric-based adhesive patch that combines excellent adhesion, sealing and noise barrier properties. Added weight of the part also provides mass damping.

FEATURES

- Excellent adhesion to many substrates
- Effective noise barrier patch
- Provides mass damping

PRODUCT CONSTRUCTION



APPLICATION

- It is intended for use to cover and seal access holes for sound abatement and sealing against dust, water and air intrusion. Added weight of the part also offers mass damping, such as on evaporator cores and HVAC tubing. It has excellent adhesion to many substrates, including phosphatized, primed, or painted galvanized steel or cold rolled steel.
- It is intended for use on roof panel applications to reduce noise and improve interior quietness for customers.
- Can also be used as a general flexible adhesive.
- It is available as sheets or can be die-cut to specific configurations.

PROPERTIES

COLOR	Polymer: Black
FILM/FACING	Aluminum foil, polyethylene, glass cloth
SOLID CONTENT	99% minimum by weight
SHELF LIFE	12 months when stored within proper storage conditions (15C - 35C & 25% - 50% RH)
SPECIFIC GRAVITY	2.4 ± 0.1
PENETRATION (ASTM D-5)	3 - 8 mm
TENSILE STRENGTH	3.0 N/cm ² minimum
ELONGATION	300% minimum
ACOUSTIC PERFORMANCE	The noise reduction is a function of material mass per unit area. Material thickness should be set to provide desired sound transmission loss. Patches at 2 mm thick are widely used over sheet metal holes.
ADHESION CHARACTERISTICS	When subjected to a 180° peel at a rate of 200 mm/min on a 25 mm wide test specimen, the material has a peel strength >10.0 N (4.0 N/cm) when applied to cold rolled steel.
ELEVATED TEMPERATURE	Material will withstand automotive bake cycles and still maintain its performance requirements.
FLEXIBILITY/ CONFORMABILITY	The material will remain flexible and conformable at temperatures as low as -30°C.
FLAMMABILITY	Meets FMVSS 302, self-extinguishing

Disclaimer: The technical information on this product data sheet is based on measured value obtained from laboratory tests. Actual results may vary due to differences in lab/process evaluation conditions.