

Product Data Sheet

NV41 Series Vinyl Nitrile Foam Tapes

GENERAL DESCRIPTION

NV41 Series Vinyl Nitrile Foam Tape is a black, single sided elastomeric closed cell foam tape designed to efficiently insulate sheet metal panels and pipes in commercial and industrial applications such as HVAC equipment and systems. The material can also act as a seal gasket between sheet metal as well as cushion against vibration and shock, deaden sound, and is easily compressed and conformed.

MATERIAL FEATURES & OPTIONS

- Material is black in color with a foam skin surface on the visible side.
- Indoor Air/Airstream Friendly Insulation—Fiber free, formaldehyde-free, low VOC's
- Noise Control—Reduces vibration and blocks noise
- Flame Retardant
 - Passes UL 94 V-0 at 1/4" and above
 - Flame/smoke spread rated as 25/50 under ASTM E 84, UL 723 requirements at 1" and below
- Adhesive—Available with 2 adhesive types (or none)
 - NV41B1R—Film carrier reinforced for flat applications
 - NV41B1S—Scrim reinforced transfer for contoured applications and easy tear-off.
- Sizes—Available in 1/8", 1/4", 1/2", 3/4" thickness and custom slit to width up to 48"
- Format—Available in rolls by the case, or longer length spooled (some sizes)
- Fabrication—Also available as fabricated parts via die cutting or water jet cutting.

APPLICATIONS

- HVAC Equipment Panels
- Fiber Free Insulation Alternative
- Metal to Metal Seals/Gaskets/Gap Filler
- Wrapping Chilled Water Lines

MARKETS

- HVAC
- Industrial
- Automotive
- Appliance

The information and recommendations set forth herein ("information") are presented in good faith and believed to be correct at the date of printing. However, the recipient shall be responsible for ensuring the accuracy, completeness and suitability for intended use. In no event will INSUL-FAB be responsible for damages of any nature whatsoever resulting from the recipient's sole reliance upon this information.

PDS.Foam.NV41 Series.1-2011

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Properties	Test Method	Value	Units/Notes
Color		Black	
Density	ASTM D-1056 or D-1667	3-6	lbs/ft ³
Compression Deflection Resistance @25%	ASTM D-1056	1.5-5	lbs/in ²
Compression Set @ 50%	ASTM D-1056	25 max	%
Water Absorption	ASTM D-1667	0.1 max	lbs/ft ²
Tensile Strength	ASTM D-412	30 min	lbs/in ²
Elongation	ASTM D-412	100 min	%
Thermal Conductivity (k)	ASTM C-518	.25 .036	(Btu-in)/(hr.sq.ft)(°F) w/mK
Flammability	FMVSS 302 UL 94 V0/5VA ASTM E84	Pass Pass 25/50	0 Burn Rate 1/4" and above 1" and below
Recommended Application Temp.		50 to 100 10 to 40	°F °C
Adhesion	PSTC-101	250+ 5+	Minutes @ 70°F Minutes @ 160°F
Recommended Service Temp.		-20 to 160 -40 to 180	°F—Type R adhesive °F—Type S adhesive
Fungi Resistance			Excellent
Ozone Resistance			Good
Weather Resistance			Fair

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