

60-A PVC Foam

Technical Data Sheet

DESCRIPTION

Foam Seal 60-A is an automotive grade, closed-cell Polyvinyl Chloride foam. When compressed properly it creates a positive barrier against air, dust, and moisture. Formulated to conform to multiple automotive specifications including GM, Ford, and Stellantis.

FEATURES

- Low density
- Sulfur free
- Low VOC
- Dampens sound/limits vibrations
- Interior and exterior applications
- Extended sealing capabilities
- Meets FMVSS 302A (self-extinguishing)
- Meets GMW3232 (flammability)

APPLICATIONS

Foam Seal 60-A is designed as a soft foam for applications with a low force to compress and for filling large voids and variable gaps. 60-A remains pliable at temperatures of -30°F to 158°F (-34°C to 70°C).

BACK STRIPPING (for foam with PSA)

Also known as reverse wrapping. Foam Seal manufactures the foam with the adhesive side exposed. The length is determined with the foam used in this manner. When the use requires the adhesive side to be against the paper, the product has to be reverse wrapped, so the uncoated foam is exposed. This causes a loss of yield in length due to the foam being configured to the shorter length of the adhesion liner. The loss will be equal to the outer circumference of the material minus 10 inches.

STORAGE

Product shelf life begins on the date of production as referenced by the lot number. Foam Seal 60-A has a shelf life of 6 months with adhesive and 2 years without adhesive when stored at 70°F (21°C).

ADDITIONAL INFORMATION

Foam Seal, a division of Novagard, believes that the information provided is a true and accurate description of the typical characteristics of the product; however, it is the responsibility of the individual user to thoroughly test the product in their specific application to determine performance, efficacy, and safety.

PRODUCT SPECIFICATIONS*

Parameter	Condition / Test Method	Specification
Gauge (Thickness)	1/16" to <1/8" 1/8" to <3/16" 3/16" to 1"	+/- 20% +/- 15% +/- 10%
Width	56" (Paper)	Useable: 54" on <1/2" gauge 52" on 5/8" gauge 50" on 3/4" gauge 48" on 1" gauge
Length	≤ 50' long > 50' long	0" to + 6" - 1% to + 2%
Adhesion to stainless steel	ASTM D1000 (20 min dwell time)	50 oz/in minimum

TYPICAL PROPERTIES*

Parameter	Test Method	Typical Values
Density (lbs./cu ft)	1/16" – 3/8"	6.0 – 9.5
Hardness – Shore 00	ASTM D2240	13
Force to Compress @ 25%	ASTM D1667	2.9 psi (19.99 kPa)
Compression Deflection	ASTM D1667	1.8 psi (12.41 kPa)
Compression Set @ 25%	ASTM D1667	7.0%
Water Absorption	ASTM D1056	9.4%
Tensile Strength (Die A)	ASTM D412	31 psi (213.74 kPa)
Elongation (%) Without Adhesive	ASTM D412	288%

*The information provided in the above table is not intended for use in preparing specifications. Information for reference is intended as a general guideline only. The customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for the customer's application.

AUTOMOTIVE STANDARDS

Manufacturer Specs	Certification
GM	GMW15473 Type II Class II (Foam Only) GMW 17408 Type II Class II (Foam Only)
Chrysler/Stellantis	MSAY 500 Type VII
Ford	ESB-M3G102-A

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AUTOMOTIVE SPECIFICATIONS*

		GMW17408 Type II Class II (FOAM ONLY)	ESB-M3G102-A (Ford)	MSAY 500 Type VII (Stellantis)
Parameter				
Density		6.0 lb/ft ³	6.0 lb/ft ³	6.0 lb/ft ³
Compression Deflection		9.4 kPa	4.1 kPa	30.7 kPa
Water Absorption		9.3%	Water Seal: No Leaks	7.9%
Tensile		211 kPa	211 kPa	211 kPa
Elongation		288%	288%	288%
Cold Resistance		No Cracks	No Cracks	No Cracks
Compression Set		(ISO6916-1) 24h at 23 °C, 50% compressed, set 1 h after unloading: 67.3 % (ISO6916-1) 24h at 23 °C, 50% compressed, set 24 h after unloading: 9.3% (ISO6916-1) 24h at 70 °C, 50% compressed, set 1 h after unloading: 88.1 % (ISO6916-1) 24h at 70 °C, 50% compressed, set 24 h after unloading: 79.7%	(ASTM D1667) 22h at 70 +/- 1 °C, 25% compressed: 82.9%	(ASTM D1056) 22h at 23 °C, 50% compressed: 7%
Exterior Applications - GM	Ozone Resistance	No cracking - Pass	--	--
	Paint staining	No contact stain. No migration stain - Pass	No contact stain. No migration stain - Pass	--
	Compatibility with Solvents	No surface deterioration. No degradation of material - Pass	--	--
	Cycle Test	No Corrosion - Pass	--	--
	Weather-Ometer Resistance	No Surface cracks – Pass	--	--
Interior Applications - GM	Cycle Test	No Corrosion - Pass	--	--
	Odor	Pass	--	Pass
	Volatility of Organic Constituents (Fogging)	Pass	--	--
	Flammability	Pass - Self-extinguished	Pass - Self-extinguished	Pass - Self-extinguished
Pressure Sensitive Adhesion	Adhesion to Steel	621 N/m (56.8 oz/in) - Cohesive failure	621 N/m (56.8 oz/in) - Cohesive failure	621 N/m (56.8 oz/in) - Cohesive failure

**The data presented herein reflects typical properties of the product as tested and indicates compliance with Automotive Specs listed in the table above. These values are not intended for use as customer specifications or design requirements.