

# 100-HTA GM PVC Foam Specification Data



## DESCRIPTION

Foam Seal 100-HTA is automotive grade PVC foam formulated to conform to the specifications outlined in GMW 17408 Class II Type III (interior/exterior applications) and GMW 17408 Class IV, Type III.

## APPLICATIONS

Foam Seal 100-HTA is designed for applications requiring both flexibility and strength. It remains pliable at temperatures of -30°C to 116°C.

## BACK STRIPPING

Also known as reverse wrapping, Foam Seal/Novagard 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 100-HTA has a shelf life of 6 months with adhesive and 2 years without adhesive when stored at or below 75°F.

## ADDITIONAL INFORMATION

Foam Seal/Novagard believes that the information provided is a true and accurate description of the typical characteristics of the aforementioned 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   | Specification                                  | Typical Value    |
|---|---|--|------------------|
| Gauge (Thickness)   | 1/16" to < 1/8"<br>1/8" to < 3/16"<br>3/16" to 1/4" | +/- 20%<br>+/- 15%<br>+/- 10%                  | Project Specific |
| Width (Rolls)   | 3/16" to < 2" wide<br>2" to 52" wide                | +/- 1/32"<br>+/- 1/16"                         | Project Specific |
| Length  | ≤ 50' long<br>> 50' long                            | -0" to + 6"<br>-1% to +2%                      | Project Specific |
| Density (lbs/cubic ft)  |   | 9 to 13  | 10               |
| Shore Hardness "00"   |   |  | 35               |
| Shelf Life (Foam Only)  |   | 6 months                                       | Pass             |
| Compression Deflection  | 1 minute @ 50%                                      | 21.01 to 48.00 kPa                             | 22.89 kPa        |
| Water Absorption  |   | 10% maximum                                    | 3%               |
| Tensile   |   | 172 kPa minimum                                | 302 kPa          |
| Elongation (%)  |   | 100%   | 283%             |
| Ozone Resistance  | 100 ppm<br>72 hours at 40°C                         | No Cracking                                    | Pass             |
| Solvent Compatibility   | 10 minutes Naphtha                                  | Pass   | Pass             |
| Cycle Tests (Exterior)<br>Linear Shrinkage<br>Corrosion           |   | 5 maximum<br>No Corrosion                      | Pass<br>Pass     |
| Conical Mandrel Bend  | 4 hours @ -30°C                                     | Pass   | Pass             |
| Adhesion  | Stainless Steel                                     | > 350 N/m                                      | Foam Failure     |
| Flammability<br>(Rate – mm/minute)                                | GMW3232   | <100 mm/minute                                 | Pass             |
| Water Permeability<br>As Received Sealability<br>Aged Sealability |   | No leaks after 1 hour<br>No leaks after 1 hour | Pass<br>Pass     |
| Compression Set   |   |  | 21.42%           |
| Aged Resistance   |   |  | 5.78%            |

\* Foam without adhesive or liner unless noted. Specifications based on a sample size of three to five. The automotive specifications referenced have other requirements, which may require additional testing. Testing to these specifications may be dependent on the specific application. Some specifications are subject to change without notice. All testing was performed according to GMW3221 Code B.



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