

**HT70 UL Foam**   
**High Temperature, UL 94 HF-1 Rated PVC Foam**  
**Specification Data**



**DESCRIPTION**

Foam Seal HT70 UL is a high temperature, low density, industrial, closed cell PVC foam formulated to conform to UL 94 HF-1 and is a recognized component of Underwriters Laboratories®.

Foam Seal HT70 UL is sulphur free to eliminate fogging and low VOC to eliminate outgassing. Foam Seal HT70 UL is California Prop 65 compliant and UV resistant.† Test results demonstrate that Foam Seal HT70 UL can be classified to 2B0 as specified by ASTM D-1056.

**APPLICATIONS**

Foam Seal HT70 UL is used for applications requiring (UL 94 HF-1) conformance but does not automatically transfer UL ratings to the customer's product. HT70 UL remains pliable from -30°F to 230°F (-34°C to 110°C).

**BACK STRIPPING**

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. The reason for this loss is that the configuration of the foam is changed because the foam is compressed onto a shorter length of 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 HT70 UL 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 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. †Additional UV stabilizers can be added to any Foam Seal product if required for your application.

**PRODUCT SPECIFICATIONS\***

Parameter	Condition	Specification
Gauge (Thickness)	1/16" to <1/8"	+/- 20%
	1/8" to <3/16"	+/- 15%
	3/16" to 3/8"	+/- 10%
Width (Rolls)	3/16" to <2" wide	+/- 1/32"
	2" to 54" wide	+/- 1/16"
Length	≤ 50' long	0" to + 6"
	> 50' long	- 1% to + 2 %
Density (lbs/cu ft)	1/16" – 3/8"	6.2 - 10.0
Adhesion	Stainless steel	12 oz / in minimum Typical value: >30 oz/in

\*Foam without adhesive or liner unless noted. Specifications based on a sample size of three to five. Testing to these specifications may be dependent on the specific application. Specifications are subject to change without notice.

**TYPICAL PROPERTIES\***

	Test Method	Typical Values
Hardness (Shore "00")	ASTM D2240	25
Force to Compress @ 25%	ASTM D1667	4.4 psi (30.33 kPa)
Compression Deflection	ASTM D1667	1.8 psi (12.41 kPa)
Water Absorption	ASTM D1056	2.5%
Tensile Strength (Die A)	ASTM D412	21 psi (144.79 kPa)
Elongation (%) Without Adhesive	ASTM D412	170%
UL File Number	94 HF-1/HBF	E 112126 (QMFZ2)

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. Typical values based on a sample size of three to five and performed within 2 weeks of manufacture.

