

60MG Medical Grade PVC Foam Specifications



DESCRIPTION

60MG Medical Grade PVC Foam is a closed cell, low density, sulphur free, low VOC PVC foam. It is bio-compatible and has been independently tested and certified to comply with the ISO 10993-10 protocol for direct skin contact.

APPLICATIONS

60MG Medical Grade PVC Foam is an economical, closed cell foam that can be used for applications requiring a seal for tight radius curves. It remains pliable at temperatures of -4°F to 180°F (-20°C to 82°C). Our 60MG Medical Grade PVC Foam is extremely durable, moisture resistant, and seals out light, air, dust, and water. It can be used in a number of applications within the healthcare industry, including face shields, face masks, pads for diagnostic devices, therapeutic accessories, and wheelchair seating.

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. 60MG Medical Grade PVC Foam has a shelf life of 6 months with adhesive and 2 years without adhesive when stored at or below 75°F (24°C).

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.

PRODUCT SPECIFICATIONS*

Parameter	Condition	Specification
Gauge (Thickness)	1/16" to <1/8" (0.15875 cm to <0.3175 cm)	+/- 20%
	1/8" to 3/16" (0.3175 cm to 0.47625 cm)	+/- 15%
	3/16" to 1" (0.47625 cm to 2.54 cm)	+/- 10%
Width (Slit Rolls)	3/16" to <2" wide (0.47625 cm to 5.08 cm)	+/- 1/32"
	2" to 52" wide (5.08 cm to 132.08 cm)	+/- 1/16"
Length	≤ 50' (15.24 m) long	0" to +6"
	> 50' (15.24 m) long	- 1 % to 2 %
Density	1/16" to <1/8" (0.15875 cm to <0.3175 cm)	7.0 – 10.0 lbs/ft ³ (112 – 160 kg/m ³)
	1/8" to <3/16" (0.3175 cm to 0.47625 cm)	6.0 – 9.0 lbs/ ft ³ (96 - 144 kg/m ³)
	3/16" to 1" (0.47625 cm to 2.54 cm)	5.5 – 8.5 lbs/ ft ³ (88 – 136 kg/m ³)
Adhesion	Stainless steel	12 oz / in min (134 g / cm min) Typical value: >30 oz/in (>335 g / cm)

* 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
Force to Compress 1/16" to 1/4" ≥1/4" to 1"	ASTM D1667	4.0 psi (27.5 kPa) 3.0 psi (20.7 kPa)
Compression Deflection	ASTM D1667	2.2 psi (15.2 kPa)
Water Absorption	ASTM D1056	6%
Tensile Strength (Die A)	ASTM D412	20 psi (137.9 kPa)
Elongation With Adhesive	ASTM D412	110%
Elongation Without Adhesive	ASTM D412	130 %
Thermal Conductivity (BTU-in/ft ² -hr-°F)	ASTM C518	0.27
Flammability (Rate – mm/min.)	MVSS 302	Self-Extinguishing
Fungi Resistance		Excellent
Oxidation Resistance		Excellent
Weather Resistance		Excellent
Hardness (Shore 00)	ASTM D-2240	25

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.