

TECHNICAL DATASHEET: 60MG Medical Grade PVC Foam

PRODUCT DESCRIPTION

60MG Medical Grade PVC Foam is a closed cell, low density 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.

TYPICAL APPLICATIONS

- Used in healthcare industry for face shields, face masks, pad for diagnostic devices, therapeutic accessories and wheelchair seating.
- Applications requiring a seal for tight radius curves.

PRODUCT FEATURES & BENEFITS

- Extremely durable
- Moisture resistant
- Seals out air, dust and water
- Remains pliable at temperatures of -4°F to 180°F

TECHNICAL DATA	VALUE	TEST METHOD / STANDARD
THICKNESS	1/16", 3/32", 1/8", 3/16", 1/4", 3/8", 1/2", 3/4", 1"	
COLOR	Black, Gray	
MATERIAL/SUBSTRATE	Polyvinyl Chloride (PVC)	
DENSITY	1/16" to <1/8" 7-10 lb/ft ³ 1/8" to <3/16" 6-9 lb/ft ³ 3/16" to 1" 5.5-8.5 lb/ft ³	
FORCE TO COMPRESS	1/16" to 1/4" 4.0 psi ≥1/4" to 1" 3.0 psi	ASTM D1667
COMPRESSION DEFLECTION	2.2 psi	ASTM D1667
HARDNESS (SHORE 00)	25	ASTM D2240
WATER ABSORPTION	6%	ASTM D1056
TENSILE STRENGTH	20 psi	ASTM D412, DIE A
ELONGATION	130%	ASTM D412
THERMAL CONDUCTIVITY	.27	ASTM C518
FLAMMABILITY	Self-Extinguishing	MVSS 302
FUNGI RESISTANCE	Excellent	
OXIDATION RESISTANCE	Excellent	
WEATHER RESISTANCE	Excellent	

SHELF LIFE/STORAGE	
SHELF LIFE	Six months with adhesive and two years without adhesive when stored at or below 75°F. Product shelf life begins on the date of production as referenced by the lot number.

NOTES: Back Stripping – When manufactured with adhesive, the adhesive side is 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.

Specifications are believed to be accurate at the time of publication and are subject to change without notice. It is the responsibility of the end-user to test and determine suitability of this material for a particular application. **REV. 0**