

TECHNICAL DATASHEET: High Density PVC Foam

PRODUCT DESCRIPTION

High density, closed-cell industrial polyvinyl chloride foam. with an acrylic pressure-sensitive adhesive on one side. The water based acrylic PSA has good initial tack, high shear and excellent resistance to plasticizers common in PVC foam and other substrates.

TYPICAL APPLICATIONS

- Applications requiring a cushion against heavy loads
- Withstands wear and abrasion in "tough duty" applications

PRODUCT FEATURES & BENEFITS

- Remains pliable at temperatures of -4°F to 172.4°F
- FMVSS-302: Pass
- Builds bond strength with time

TECHNICAL DATA	VALUE	TEST METHOD / STANDARD
THICKNESS	1/16", 1/8", 3/16", 1/4", 1/2"	
COLOR	Black	
MATERIAL/SUBSTRATE	Polyvinyl Chloride (PVC)	
ADHESIVE SYSTEM	Permanent Adhesive	
ADHESIVE SIDE	Single Sided Adhesive	
ADHESIVE TYPE	Acrylic (Water based)	
ADHESION TO STAINLESS STEEL	12 oz / in min	ASTM D1000
DENSITY	13 - 17 lb/ft ³	ASTM D1667
180° PEEL ADHESION, POLYPROPYLENE, 20 MINUTE DWELL	25 oz/in width	ASTM D1000
180° PEEL ADHESION, STAINLESS STEEL, 20 MINUTE DWELL	45 oz/in width	ASTM D1000
180° PEEL ADHESION, STAINLESS STEEL, 24 HOUR DWELL	60 oz/in width (foam failure)	ASTM D1000
COMPRESSION DEFLECTION @ 25%	9 psi	ASTM D1667
WATER ABSORPTION	3%	ASTM D1056
TENSILE STRENGTH	60 psi	ASTM D412 (DIE A)
ELONGATION	180%	ASTM D412
DUROMETER/HARDNESS (SHORE 00)	50	ASTM D2240
FLAME RETARDANT	Yes	
FMVSS-302	Pass	
STATIC SHEAR, STAINLESS STEEL, 1 MINUTE DWELL (1" x 1" x 1,000G)	7 hours (cohesive failure)	PSTC-7

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**

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TECHNICAL DATA	VALUE	TEST METHOD / STANDARD
LOOP TACK, STAINLESS STEEL	35 oz/in (adhesive failure)	ASTM D6195
SERVICE TEMPERATURE	-4°F to 172.4°F	

Note: Foam without adhesive or liner unless noted. Values based on a sample size of three to five.

SHELF LIFE/STORAGE	
SHELF LIFE	Product shelf life begins on the date of production as referenced by the lot number. Low density PVC foam has a shelf life of 6 months with adhesive when stored at or below 75°F.

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