

## TECHNICAL DATASHEET: Low Density PVC Foam

### PRODUCT DESCRIPTION

Low 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 seal for tight radius curves

### PRODUCT FEATURES & BENEFITS

- Remains pliable at temperatures of -4°F to 179.6°F
- Excellent fungi, oxidation and weather resistance
- FMVSS-302: Pass
- Builds bond strength with time

TECHNICAL DATA	VALUE	TEST METHOD / STANDARD
THICKNESS	1/16", 1/8", 3/16", 1/4", 3/8", 1/2", 3/4"	
COLOR	Black, Gray	
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	
DENSITY, 1/16" - <1/8"	7 - 10 lb/ft <sup>3</sup>	ASTM D1667
DENSITY, 1/8" - <3/16"	6 - 9 lb/ft <sup>3</sup>	ASTM D1667
DENSITY, 3/16" - 1"	5.5 - 8.5 lb/ft <sup>3</sup>	ASTM D1667
COMPRESSION DEFLECTION	2.2 psi	ASTM D1667
WATER ABSORPTION	6%	ASTM D1056
TENSILE STRENGTH	20 psi	ASTM D412 (DIE A)
ELONGATION (WITHOUT ADHESIVE)	110%	ASTM D412
ELONGATION (WITH ADHESIVE)	130%	ASTM D412
THERMAL CONDUCTIVITY	0.27 btu/(h·ft <sup>2</sup> ·°F)	ASTM C518
FUNGI RESISTANCE	Excellent	
OXIDATION RESISTANCE	Excellent	
WEATHER RESISTANCE	Excellent	
DUROMETER/HARDNESS (SHORE 00)	25	ASTM D2240
FMVSS-302	Pass	
SERVICE TEMPERATURE	-4°F to 179.6°F	

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

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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<b>SHELF LIFE/STORAGE</b>	
<b>SHELF LIFE</b>	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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