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^3	ASTM D1667
DENSITY, 1/8” – <3/16”	6 - 9 lb/ft^3	ASTM D1667
DENSITY, 3/16" - 1"	5.5 - 8.5 lb/ft^3	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 $btu/(h \cdot ft^2 \cdot °F)$	ASTM C518
FUNGI RESISTANCE	Excellent	
OXIDATION RESISTANCE	Excellent	
WEATHER RESISTANCE	Excellent	
DUROMETER/HARDNESS (SHORE 00)	25	ASTM D2240
FMVSS-302	Pass	
SERVICE TEMPERATURE	-40°F to 179.6°F	

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

TECHNICAL DATASHEET:
Low Density PVC Foam

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.