



Technical Data Sheet

Pres-On PHB5100B (Black) High Bond Acrylic Foam Tape

- Double-coated pressure-sensitive bonding replaces rivets, screws and spot welds for sleeker product designs and lower costs
- General purpose tape for metal substrates and plastics
- Excellent weathering properties, including moisture and sub-zero temps
- Resistant to high temperatures for bonding prior to paint processing
- Continuous bond distributes stress over entire surface

GENERAL DESCRIPTION

PHB5100B

PHB5100B all acrylic construction provides the necessary durability and strength for extreme applications. As a pressure-sensitive 100% closed cell acrylic foam tape, it is designed to provide a superior bond between many different substrates, especially low surface energy powder coated paints, metals and plastics. The foam creates a durable shield as it bonds and compensates for differential thermal expansion or contractions. Liquids can be sealed in or out. Cost savings are possible with labor and the final product may be lighter, quieter and more efficient.

APPLICATIONS

Auto trim attachment, skin to frame assembly, window and door, signage, graphics, furniture, appliances and other OEM, aerospace, marine and construction applications to replace mechanical fasteners, rivets, screws and welds. Results in sleeker, seamless appearance of products that are lighter and more efficient. Also reduces labor and material costs.

STANDARD ROLL SIZES

All rolls available in widths from 3/16" to 18"

SERIAL NUMBER	THICKNESS	LENGTH	3M EQUIVALENT
PHB5125B	.025 inch / 25.00 mil	108 feet	3M 4929
PHB5145B	.045 inch / 40.00 mil	108 feet	3M 4949

CONSTRUCTION

SPECIFICATION

Backing	Acrylic Foam
Adhesive	Acrylic
Liner Type (outer)	Polyethylene (5 mil red polyethylene)
Foam Cell Type	Closed
Thickness (total)	25.00 mil 45.00 mil
Color	Black

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PERFORMANCE**SPECIFICATION**

Peel Adhesion (90°) to Steel	20 lb/in
Dynamic Shear (after 72 hours)	120 oz/in ²
Temperature Resistance	300° F long-term 400° F short-term
Tensile Strength to Aluminum	120.00 lbs/in ²
Water Resistant	Excellent
UV Resistant	Excellent
Solvent Resistant	Excellent

APPLICATION NOTES

Thoroughly clean contact surface before use. Once tape has been applied, it cannot be removed and reused. Therefore, position tape carefully, assuring that it is in contact with all surfaces. If tape is misaligned, remove used unit, discard and repeat application with new unit. Test product for system compatibility as individual application conditions can impact results. Pres-On does not assume any responsibility or liability for any advice furnished by it, or for the performance or results of any installation or use of the product(s) or any final product into which the product(s) may be incorporated by the purchaser and/or user. The purchaser and/or user should perform its own tests to determine the suitability and fitness of the product(s) for the particular purpose desired in any given situation.