



Technical Data Sheet

Pres-On PHB5100G (Gray) High Bond Acrylic Foam Tape

- 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
- Faster, easier assembly
- Dampens noise and vibration
- Compensates for differential thermal expansion or contraction

GENERAL DESCRIPTION

PHB5100G

PHB5100G 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
PHB5130G	.030 inch / 30.00 mil	108 feet	3M 4213, 5386, 5314
PHB5145G	.045 inch / 45.00 mil	108 feet	3M 4210, 4941
PHB5160G	.060 inch / 60.00 mil	108 feet	3M 4956, 5356

CONSTRUCTION

SPECIFICATION

Backing	Acrylic Foam
Adhesive	Acrylic
Liner Type (outer)	Polyethylene (5 mil red polyethylene)
Foam Cell Type	Closed
Thickness (total)	30.00 mil 45.00 mil 60.00 mil
Color	Gray

PERFORMANCE**SPECIFICATION**

Peel Adhesion (90°) to Steel	20 lb/in
Dynamic Shear (after 72 hours)	120 oz/in ²
Temperature Resistance	300° F short term 400° F long 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.