

Insulating Glass-Sealant PIB-7HSNB

Black High Speed, High Strength Primary Sealant

Description

Insulating Glass-Sealant PIB-7HSNB is a black polyisobutylene based sealant that exhibits excellent long-term stability and remains permanently flexible, even at low temperatures. Like all **PIB** sealants, **PIB-7HSNB** exhibits low argon permeability and inherently low moisture vapor transmission along with excellent adhesion to aluminum, stainless steel and tin-plated steel spacer substrates.



Basic Use

Insulating Glass-Sealant PIB-7HSNB is specifically formulated to be used as a primary sealant in insulating glass units which are produced on high speed vertical application equipment. **PIB-7HSNB** offers high application rates without sacrificing strength performance.

Insulating Glass-Sealant PIB-7HSNB has very low moisture vapor transmission rates (MVTR) and gas permeability rates. Properly constructed dual-seal units incorporating **PIB-7HSNB** will retain argon insulating gas and maintain a dry interior unit airspace for decades. Insulating glass units produced with **PIB-7HSNB** routinely pass ASTM E2188, E2189, E2190 (HIGS) standards.

Insulating Glass-Sealant PIB-7HSNB is designed to run well on high-volume, fully automated application equipment as well as manual butyl extruders. **PIB-7HSNB** may be used with most commercially available urethane, silicone, polysulfide, or butyl hot melt insulating glass secondary sealants.

Health & Safety

Prior to working with this or any product consult product label and Safety Data Sheet (SDS) for necessary health and safety precautions.

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Features	Benefits
Easily dispensed	Dispensing viscosity will support production rates on high-volume automated extruders
Low moisture vapor transmission rate (MVTR)	Increased unit life expectancy
Excellent resistance to weathering	Does not degrade upon exposure to environmental conditions
Low gas permeability	Increased argon gas retention beyond industry standards
Excellent adhesion to glass, stainless, aluminum, tin-plated steel, and many plastics	Can be used with all commercially accepted metal spacer systems and most plastic spacer systems
Ultra low volatile content	No chemical fogging. No discoloration of low-e coatings
Dedicated gray PIB manufacturing line	No black streaking in product

Packaging

Insulating Glass-Sealant PIB-7HSNB Sealant is available in the following standard packages:

- 14lb slug
- 55gal drum

Storage and Shelf Life

Store material in original unopened packaging at temperatures between 4°C to 38°C (40°F to 100°F). Shelf life is 24 months when stored as recommended.

Limitations

- **Insulating Glass-Sealant PIB-7HSNB** is not intended for use as a structural sealant.
- **Insulating Glass-Sealant PIB-7HSNB** is not resistant to attack by solvents, oils, and plasticizers. When constructing IG with silicone secondary sealants, care must be taken to insure that the glazing environment (including setting blocks, compression gaskets, glazing sealants, and weatherproofing sealants) is free from solvents, oils and plasticizers. These chemicals can migrate through silicone secondary sealants and attack the primary sealant resulting in premature IG unit failure.
- The surfaces to be bonded must be dry, clean and free from dust and grease. Glass surfaces should be thoroughly cleaned by hand or machine with non-film forming, low residue detergent and rinsed thoroughly with clean hot water.

Glazing Compatibility

It is recommended that glazing materials be tested for compatibility and that all units be glazed in accordance with GANA (Glass Association of North America) and IGMA (Insulating Glass Manufacturers Alliance) recommendations. Contact with any solvent, oil, or plasticizer-containing glazing materials should be avoided.

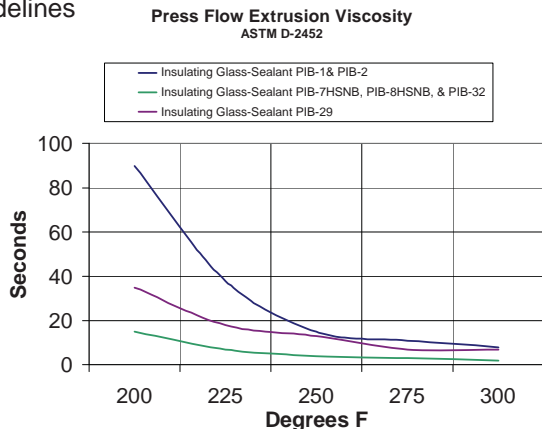
Performance Standards

Insulating glass units incorporating **Insulating Glass-Sealant PIB-7HSNB** routinely meet the following specifications:

- ASTM E 774
- ASTM E 2188, E2189, E2190 (HIGS)
- CGSB 12.8
- EN 1279 (Part 1-3)

Application Instruction

See **Insulating Glass-Sealant PIB** Application Guidelines



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Technical Data		
Property	Typical Value	Test Method
Moisture Vapor Transmission	0.2 g/m ² /24 hr	ASTM F1249 2mm thickness
Argon Diffusion	0.02 L/m ² /24h/ 760mm	ASTM D3985 3mm thickness
Press Flow Extrusion Viscosity	7 seconds	ASTM D2452 110°C (230°F), 8.6mm orifice
Service Temperature	-45°C to 80°C (-50°F to 176°F)	
Physical Properties		
Cone Penetration	50 dmm	ASTM D217, 150g added load
Solids Content	100%	
Specific Gravity	1.06	ASTM D71
Application Properties		
Suggested Application Temperature	100°C to 130°C (212°F to 265°F)	
NOTE: The foregoing information is published as general information only. The listed properties and performance characteristics are approximate values and are not to be interpreted as manufacturing specifications.		

IGMA MEMBER
INSULATING GLASS MANUFACTURERS ALLIANCE



ISO 9001
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TS 16949

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