

## Insulating Glass-Sealant PIB-1 1

### Black Pre-extruded Rope

#### Description

**Insulating Glass-Sealant PIB-11** is a black polyisobutylene based sealant that exhibits excellent long-term stability and remains permanently flexible, even at low temperatures. Like all **PIB** sealants, **Insulating Glass-Sealant PIB-11** 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-11** is supplied in pre-extruded strands for manual assembly of insulating glass units. **Insulating Glass-Sealant PIB-11** may also be used to patch corners, extrusion skips, or for general repair of primary sealant application. **PIB-11** may be used as a spot repair in combination with all other **Insulating Glass-Sealant** black PIB products on a single insulating glass unit.

**Insulating Glass Sealant PIB-11** has very low moisture vapor transmission rates (MVTR) and gas permeability rates. Properly constructed dual-seal units incorporating **Insulating Glass-Sealant PIB-11** will retain argon insulating gas and maintain a dry interior unit airspace for decades. Insulating glass units produced with **Insulating Glass-Sealant PIB-11** routinely pass ASTM E2188, E2189, E2190 (HIGS) standards.

**Insulating Glass-Sealant PIB-11** 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

#### Storage and Shelf Life

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

Insulating Glass-Sealant PIB-11 20140801



#### Features

Low moisture vapor transmission rate (MVTR)

Excellent resistance to weathering

Low gas permeability

Excellent adhesion to glass, stainless, aluminum, tin-plated steel, and many plastics

Ultra low volatile content

High cohesive strength

#### Benefits

Increases unit life expectancy

Does not degrade upon exposure to environmental conditions

Increases argon gas retention beyond industry standards

Can be used with all commercially accepted metal spacer systems and most plastic spacer systems

No chemical fogging. No discoloration of low-e coatings

Reduced offset shear failures resulting in less rework and better in-plant unit handling

#### Packaging

**Insulating Glass-Sealant PIB-11** Black is available in the following standard package:

<u>Part #</u>	<u>Physical Form</u>	<u>Package</u>
MT-0263	3/32" diameter rope	42' rolls, 2100 ft/cs

## Limitations

- **Insulating Glass-Sealant PIB-11** is not intended for use as a structural sealant.
- **Insulating Glass-Sealant PIB-11** 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-11** routinely meet the following specifications:

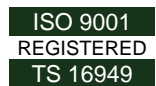
- ASTM E 774
- ASTM E 2188, E2189, E2190 (HIGS)
- CGSB 12.8
- EN 1279 (Part 1-3)

## Application Instruction

See **ADCOTHERM® PIB** Application Guidelines



Technical Data		
Property	Typical Value	Test Method
Moisture Vapor Transmission	0.10 g/m <sup>2</sup> /24 hr	ASTM F1249 2mm thickness
Argon Diffusion	0.02 L/ m <sup>2</sup> /24h/760mm	ASTM D3985 3mm thickness
Physical Properties		
Cone Penetration	75 dmm	ASTM D217, 150g added load
Solids Content	100%	
Specific Gravity	1.10	ASTM D71
Weight per gallon	9.2 lb	
Application Properties		
Service Temperature	-45°C to 80°C (-50°F to 176°F)	
<b>NOTE:</b> 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.		



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