

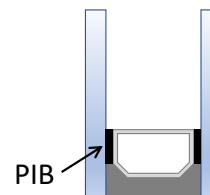
GD-115 Polyisobutylene Insulated Glass Sealant



Product Summary

GD-115 is a black polyisobutylene (PIB) based sealant intended for use as a primary sealant in insulated glass units. It exhibits excellent long-term stability and remains permanently flexible, even at low temperatures. Performance features include:

- Very low argon and moisture vapor transmission rates
- Excellent adhesion to glass, aluminum, galvanized and stainless steel
- Meets and/or exceeds the requirements of ASTM E2190 and CGSB 12.8



Typical Physical Properties

Base	Polyisobutylene	
Color	Black	
Density	8.8 lb/gal (1.05 g/cc)	ASTM D71
Application Temperature	230 to 284°F (110 to 140°C)	
Service Temperature	-40 to 176°F (-40 to 80°C)	
Moisture Vapor Transmission Rate	<0.1 g/(m ² .day)	ASTM F1249
Argon Transmission Rate	<0.01 g/(m ² .hr)	ASTM D3985
300 g Cone Penetration	47 dmm @ 78°F (25°C)	ASTM D217
Melt Volume Index	16 cc/10 min @ 130°C, 5 kg	ASTM D1238

Processing

GD-115 is designed to run well on high-volume, fully automated application equipment as well as on manual butyl extruders. Application surfaces should be clean, dry, and free from any contaminants. A cleaning agent such as **Körasolv GL** and/or the glass and spacer manufacturer's recommended cleaning procedures should be used.

The recommended application temperature should be maintained at the extruder nozzle in order to ensure good adhesion to the spacer. It is important to ensure that sealant is applied to the correct dimensions required for your application. Consult our PIB application guide for additional information.

Compatibility with Other Materials

GD-115 may be used with most commercially available silicone, urethane, polysulfide, or butyl hot melt insulating glass secondary sealants. Care must be taken to ensure that setting and glazing materials are free from solvents, oils and plasticizers which can migrate and attack the PIB, resulting in premature IG failure. Consult your H.B. Fuller technical service representative for questions regarding compatibility with specific materials.

Safety

It is highly recommended to read our Safety Data Sheet containing health, safe handling, storage, disposal, and other safety related data. Please also refer to the product label for additional safety considerations.

Extreme care should be exercised when working with hot sealants to avoid burns. Use appropriate eye protection and thermally protective clothing.

Storage and Shelf Life

Store in a cool, dry place between 40-100°F (4-38°C). Protect from direct exposure to sunlight. Shelf life is 24 months from the date of manufacture when stored as recommended in the original packaging.

Packaging

GD-115 insulating glass sealant is available in the following standard packages:

- 55 gal straight-sided drum, 418.5 lb (190 kg)
- 15 lb (6.8 kg) slugs

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