

PRODUCT DATA SHEET

SikaLastomer® IG-105

Thermoplastic primary sealant for insulating glass

TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)

Chemical base	Polyisobutylene
Color (CQP001-1)	Black
Density (uncured)	1.1 kg/l
Solid content	99 %
Application temperature	product 120 – 150 °C
Penetration (ISO 2137)	60 °C 60 [0.1 mm]
Water vapor transmission rate WVTR (EN 1279-4)	0.1 g / (m ² ·d)
Gas permeation rate GPR (EN 1279-4)	2·10 ⁻³ g / (m ² ·h)
Service temperature	-40 – 80 °C
Shelf life	12 months ^A

CQP = Corporate Quality Procedure

^{A)} stored below 25 °C
DESCRIPTION

SikaLastomer® IG-105 is a 1-component, solvent-free, thermoplastic primary seal for dual-seal insulating glass units based on polyisobutylene (PIB, butyl).

PRODUCT BENEFITS

- Low water vapor transmission and argon permeation
- Good adhesion to most glass and spacer materials
- Good UV resistance
- No shrinkage
- Thermal conductivity = 0.2 W/m K (EN 10077-2)

AREAS OF APPLICATION

SikaLastomer® IG-105 is used as primary seal in the production of dual-seal insulating glass units. It has been tested against EN 1279-4. This product is suitable for experienced professional users only. Tests with actual substrates and conditions have to be performed ensuring adhesion and material compatibility.

CURE MECHANISM

SikaLastomer® IG-105 is a non-reactive polyisobutylene and stays paste-like and viscoelastic.

METHOD OF APPLICATION

Surface preparation

Surfaces must be clean, dry and free from grease, oil and dust.

Application

SikaLastomer® IG-105 must be heated-up to the required application temperature before being applied by the extruder. Preliminary application tests to set up the equipment are mandatory.

Removal

SikaLastomer® IG-105 may be removed from tools and equipment with Sika® Remover-208 or another suitable solvent.

Hands and exposed skin have to be washed immediately using hand wipes such as Sika® Cleaner-350H or a suitable industrial hand cleaner and water.

Do not use solvents on skin.

Application limits

Recommended solution from Sika for insulating glass production are usually compatible to each other. These solutions consist of products such as Sikasil® SG, IG, WS and WT series. For specific information regarding compatibility between SikaLastomer® IG-105 and other Sika products contact the Technical Department of Sika Industry.

To exclude materials influencing SikaLastomer® IG-105, all materials such as gaskets, tapes, setting blocks, sealants, etc., in direct and indirect contact have to be approved by Sika in advance.

FURTHER INFORMATION

The information herein is offered for general guidance only. Advice on specific applications is available on request from the Technical Department of Sika Industry.

Copies of the following publications are available on request:

- Safety Data Sheets

PACKAGING INFORMATION

Cardboard cylinder (Ø 190 mm)	7 kg
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BASIS OF PRODUCT DATA

All technical data stated in this document are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

HEALTH AND SAFETY INFORMATION

For information and advice regarding transportation, handling, storage and disposal of chemical products, users shall refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety-related data.

DISCLAIMER

The information, and, in particular, the recommendations relating to the application and enduse of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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