

IGK 511 Butyl Primary Seal



Characteristics:	IGK 511 is a one-part, thermoplastic, solvent free, UV stable sealant on basis of polyisobutylene, specially developed for the primary seal of double glazing units.
Shelf life:	At least 2 years at +10 to +25 °C.
Adhesion:	Excellent adhesion to glass, aluminium, high-grade steel and galvanised steel as well as plastic spacers.
Water vapour - permeability:	approx. 0.02 g / day m ² mm, in accordance with DIN EN ISO 1279/4
Specific weight:	1.21 ± 0.03 g /cm ³
Shear stress:	approx. 0.2 N/mm ² for a layer thickness off 1-2 mm at 20°C (tearing speed 100 mm/min).
Cone penetration:	25 - 36 dmm
Volatile component:	< 0.08 %
Form of delivery:	drums à 200 kg Europallets with 72 slugs of 7.4 kg (533 kg) Exportpallets with 96 slugs of 7.4 kg (710.4 kg) Exportpallets with 256 slugs of 2.5 kg (640 kg) Exportpallets with 396 slugs of 1.1 kg (436 kg)
Identification:	<u>Transport:</u> none <u>Regulation governing work materials:</u> none
Application:	IGK 511 is extruded at application temperatures of approx. 110-140°C and a pressure of about 4-6 bar. The speed with which the spacer bar passes the nozzles, as well as pressure and temperature, determine the amount of butyl per running metre. When applied to the spacer bar with 2.5 g ± 10% per running metre and side and with a continuous, constant thickness during the extrusion process, it serves the purpose of a primary seal best. Differing amounts have to be agreed with IGK.
Safety instructions:	At the time of taking off the insulating glass units from the line by means of vacuum lifting pads the outer sealing material does not contribute mechanical stability to the insulating glass units. Therefore, the danger of sliding down of one or more glasses and glass breakage exists. Please take appropriate safety precautions! Please also note the information in the material safety data sheet!

The information given above is based on accurate laboratory results and experience over many years at IGK. During the application of IGK products please adhere to the relevant processing instructions. We recommend you implement your own tests in accordance with EN1279 and/or other Quality management systems in order to ensure the best overall results. Failure to follow these recommendations may cause damage for which IGK is not responsible.

IGK 511 is manufactured in accordance with quality guidelines DIN EN ISO 9001 and 14001