

GOBON 229

is a hot melt based on butyl rubber which is characterised by its high surface tack. As a thermoplastic sealing compound, it can be extruded or calendared industrially in virtually any form. **GOBON 229** is only suitable as a "hot melt" for industrial applications and can be processed using barrel melting systems. The high-quality, long-lasting and UV-resistant butyl compound is characterised by its high quality thanks to its almost unlimited durability and functionality, especially in the automotive sector and in "sustainable construction".

PROPERTIES

The product has excellent properties:

-  easy industrial application
-  permanently adhesive
-  permanently sealed
-  waterproof
-  odourless
-  solvent-free
-  bitumen-free
-  noise-insulating
-  UV-resistant
-  long-lasting resistance
-  non-ageing
-  weather-resistant
-  water-resistant
-  self-sealing
-  physiologically harmless
-  non-shrinking
-  non-corrosive
-  plastic
-  has an insulating effect
-  bitumen-compatible
-  high water vapour diffusion impermeability
-  good adhesion and compatibility with most known materials
-  fulfils the requirements according to IVD Leaflet No. 5
-  when used properly and professionally, EGO Butyl has an almost unlimited service life.

TYPICAL USES

For sealing and fixing in the industrial and building sectors, such as roofing, facades, automotive, vehicles, shipping, air conditioning, ventilation channels, refrigeration, concrete, sanitary, electronics, caravans, containers. For overlapping and protective sealing tasks without the transmission of mechanical forces on connections, joints, seams, wrapping, breakthroughs and butt joints for indoor and outdoor applications. The product can be used as corrosion protection between metal materials or as vibration and noise insulation. Mechanical protection is required in cases where forces are transmitted.

The hot melt is processed on barrel melting systems with a flow temperature of between 125°C and 140°C. The temperature influences the flow rate.

APPLICATION

The bonding surfaces must be dry, stable, free of dust and de-bonding agents. Very good bonding capacity is already achieved on most known materials without the use of primers (please note the primer table). The adhesion build-up on the substrate is purely physical and can be improved by pressing or rolling on the substrate and increases again over time. The temperature behaviour is typically thermoplastic, i.e. with increasing temperature, a higher stickiness and softer material consistency is achieved. **EGOBON 229** is self-sealing and bonds very well with itself if you just lightly press on it with your finger. It is only possible to separate it again by cutting. To do this, you must first wet a sharp knife with water. If sufficient pressure is required with minimal movement of the surfaces to be bonded, the seal is retained (effect of the flexible seal). A constant load of pressure on the **EGOBON 229** causes it to deform between the sealed surfaces. Pressing together the sealed surfaces guarantees a perfect seal, and balances out any unevenness between the bonded surfaces. Complete compression of the butyl sealant can be ensured with permanent spacing (e.g. **EGOBON 212** with core, FIX SPACER 2.3 mm). Simply dab off butyl residues on the substrates or tools with EGOBON 229. Impurities that are difficult to dissolve can be removed mechanically, e.g. with a sharp knife moistened with water, and are best dissolved with cleaning petrol.

Compatibility with other building materials is only guaranteed with the EGO products recommended for this.

Our list of material properties provides you with an overview of all the necessary information and a detailed comparison of our **EGO** butyl products.

NORMS AND TESTS



*Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions)

Meets Requirements of IVD Instruction Sheets No. [5](#), [19-1](#), [19-2](#), [25](#), [29](#), [31](#), [35](#)
VOC emission according to
- EMICODE EC1 Plus
- AgBB
- French VOC Class A+ and CMR-Regulation
Compatibility with bitumen in accordance with DIN EN 1548

Certificate of Compliance for direct contact with food

Test certificate for use in clean rooms and RLT systems in accordance with VDI 6022
“Hygienic requirements for ventilation and air-conditioning systems” and in accordance with VDI 2083 “Cleanroom technology”

TECHNICAL DATA

Properties	Result	In accordance with
Material Basis	butyl rubber, polyisobutylene (PIB)	
Density	approx. 1,4 g/cm ³	DIN EN ISO 1183-1
Application Temperature	+5 °C to +30 °C	
Service Temperature	-40°C to +100°C	
Enamel Volume Index MVR (2mm nozzle, 5kg, +140°C)	approx. 1378 mL/10min	ISO 3311-1
Shore Hardness 00	approx. 30	DIN EN ISO 868
Penetration (150g, 23°C, 5sec)	approx. 114 (0,1mm) * Butyl approx. 5cmØ	DIN 51580
Compressive Strength	> 0,04 N/mm ²	DTU 39.4
UV, weather and long-term resistance (after 1000 hours)	very good no crack formation no breaking no reduction of the tack	DIN EN ISO 4892-2:2013
UV resistance (after 200 hours of UV radiation)	very good no crack formation no breaking no reduction of the tack	
Bending resistance of butyl (after 100 hrs at +90°C and 5 hrs at -30°C)	No crack formation No breaking	

*Average values, not intended for specification



TECHNICAL DATA

Properties	Result	In accordance with
Viscosity	non-sag up to +100 °C (tape thickness < 2 mm)	DIN EN ISO 7390
Solids Content	> 99 %	DIN EN ISO 10563
Ignition Temperature	> 400°C	DIN 51794
Building material class	B2, normal flammability	DIN 4102

*Average values, not intended for specification

AVAILABILITY AND STORAGE

Standard Colour	grey
200 l drums (approx. 220 kg) for processing on drum melters.	
Profiles and dimensions on request.	
Storage	24 months at + 20 °C Store rolls horizontally, in dry conditions and protected from dust. Protect against mechanical damage.

SAFETY INSTRUCTIONS

Meets Requirements of	REACH Regulation (EC) No. 1907/2006
Not hazardous	according to EC No. 1272/2008 (CLP)
Not subject to Labelling	according to EC No. 1272/2008 (CLP)
Safety Guidelines	see EC safety data sheet
Disposal	see EC safety data sheet

Precautions see EC Security Data Sheet. The above specifications are the result of careful research and development. All previous specifications are hereby null and void. Users are themselves responsible for ensuring the suitability of the product for the purpose intended, liability on the part of EGO being limited to the purchase price of the material. EGO cannot accept liability for damage, in particular that caused by the use of the product or its unsuitability, nor can EGO accept responsibility for unauthorized recommendations or guarantees which deviate from or exceed the specifications given in this product data sheet.