

Adhesives and sealants for industrial application

Butyl Sealants**TECHNICAL DATA SHEET****Butyl 1185 gray**

- Butyl sealant in profile form -

PRODUCT DESCRIPTION

Thermoplastic sealant with very high surface tack.
Suitable for sealing joints that do not bear mechanical forces.

APPLICATIONS

- Suitable for interior and exterior application
- Sealing of lap joints
- Bonding and fixation foils and light weight materials
- Temporary fixation
- Corrosion protection in metal joints especially between dissimilar materials
- Vibration and sound deadening

CHARACTERISTICS

- Permanent plastic and permanent tacky
- Aging and weather resistant
- Good water resistance
- Good water vapour tightness
- Good adhesion to almost all substrates
- Odour free at room temperature
- Long-term resistant
- Solvent free
- Shrinkage free

PROCESS INSTRUCTIONS

The **Butyl 1185** profiles are applied direct from the roll to one side of the joint.
Cut according to the required length and remove the release paper
and press the counter part to the sealing strip (best using a roll).

PACKAGING

Single rolls in different dimensions on siliconized release liner.
Also in sausages as semifinished product for processing with extruders.

Transportation

Construction

Roof / Facade

Industry

Assembly

Solar

TECHNICAL DATA

- Chemical base: Synthetic rubber (Base IIR / PIB)
- Colour: gray
- Density (Pycnometer; 23°C): 1,35 – 1,45 ^g/ml (orienting to DIN EN ISO 2811-1)
- Penetration (150g cone; 20°C; 5sec): 40 – 60 ¹/_{10mm} (orienting to DIN 51580)
- Melt index (140°C; 5kg; 2mm nozzle): 60 – 80 ^{ml}/_{10min} (orienting to DIN EN ISO 1133-1)
- Softening point (Ring & Ball; glycerol): > 160°C (orienting to DIN EN 1238)
- Peel strength (180°-Peel; 23°C; 200 ^{mm}/_{min}): > 1,0 ^N/_{mm} (cohesive) (orienting to DIN EN ISO 8510-2)
- Water vapour tightness (diffusion resistance): approx. 250.000 μ (orienting to DIN 53122)
as s_d -value (for 1mm layer thickness): approx. 250 m (orienting to DIN 53122)

ADHESION

Very good to a variety of different materials. In contact with plastic materials a migration of plasticizer may occur - we recommend to carry out tests before application!

Surfaces must be dry and mostly clean, free of dust, oil or grease.

STABILITY

From -30°C to 90°C temperature - and form stable.

Butyl 1185 behaves thermoplastic: At low temperatures the hardness increases, at high temperatures the mass becomes softer and tackier.

Good aging resistant, especially under warm and humid conditions.

Stable against water and saltwater in the range of pH 5 – 9.

Not resistant against oil, grease, white spirit and other solvents.

CLEANING

Remove main portions mechanically („dab off“).

Residuals can be cleaned with **BOSTIK Solvent 280** or white spirit.

STORAGE

Store under dry conditions in original packaging.

Protect against mechanical deformation and dust.

Shelf life at least 24 months.

SAFETY INSTRUCTIONS

Observe the standard hygienic precautions for chemical goods when working with **Butyl 1185**:

- Do not eat, drink or smoke
- Avoid contact with eyes and skin
- Wash hands before breaks and after end of work

FOR FURTHER INFORMATION PLEASE REFER TO OUR MATERIAL SAFETY DATA SHEET.

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These instructions are designed to provide you with the best advice we can give based on our tests and experience. However, as a result of the large number of possible applications and the storage and application conditions which are beyond our control, we cannot offer a guarantee for the results of individual cases when using our products. We recommend that you carry out your own tests. Our technical and commercial advice service is available to you with the publication of this data sheet all earlier versions are void.

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