

# Butyl 1188 black

## Butyl Sealant (Profiles)

### SMART ADVANTAGES

- Good release behavior from the substrate
- Very high elasticity
- Wide temperature processing range

### PRODUCT DESCRIPTION

Thermoplastic, non-reactive sealant. specially designed for the production of "composite" cast elements. (to seal the molds during the manufacturing process) Suitable for sealing joints or fixation that do not bear mechanical forces.

- Permanent plastic and permanent tacky
- Good sealing properties
- Solvent free (no shrinkage)

### APPLICATIONS

- Suitable for composite manufacturing process
- Sealing of lap joints
- Bonding and fixation of light-weight materials
- Temporary fixation

### PROCESS INSTRUCTIONS

**Butyl 1188** profiles are applied directly from the roll with the release liner to one side of the joint. Cut to the required length, remove the release liner and press the counter part on the sealing strip (e.g. using a roll).

Service temperature: 15-45°C.

Higher temperatures can lead to difficulties in removing the release liner.

Not recommend for profiles less than 1mm thickness.

### ADHESION

Adhesion 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 1188** behaves thermoplastic: At low temperature the hardness increases, at high temperatures the mass becomes softer and tackier. Good aging resistance, 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.

**Butyl 1188** must be protected against UV radiation.

### CLEANING

Remove main portions mechanically („dab off“).

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

### STORAGE

Store under dry conditions, protect against mechanical deformation.

Product is not affected by frost.

Shelf life at least 24 months.

### PACKAGING

Single rolls, twin side tacky or covered with carrier on top side in different dimensions on siliconized release liner.

Sausages as semi-finished product for processing with extruders on request.

## TECHNICAL DATA

**Chemical Base** Synthetic rubber (IIR; PIB)

**Colour** black

### Density

Pycnometer; 23°C  
(similar to DIN EN ISO 2811-1) 1,60 – 1,70 g/ml

### Penetration

150g cone; 20°C; 5 sec  
(similar to DIN 51580) 40 – 55 1/10 mm

### Melt volume index

140°C; 5 kg; 2 mm nozzle  
(similar to DIN EN ISO 1133-1) 15 – 30 ml/10 min

### Viscosity (Oscillation)

plate/plate 100°C; 1mm gap  
1Hz; 25% shear deformation  
(similar to DIN 53019 EN 3219) approx.  
3,75·10<sup>6</sup> mPa·s

### Peel strength

180°-Peel; 200 mm/min; 23°C  
(similar to DIN EN ISO 8510-2) > 3.00 N/mm (cohesive)

### Surface Tack

(internal definition  
for profile range) 2 - low

5 - excellent  
4 - high  
3 - good  
2 - low  
1 - minimal

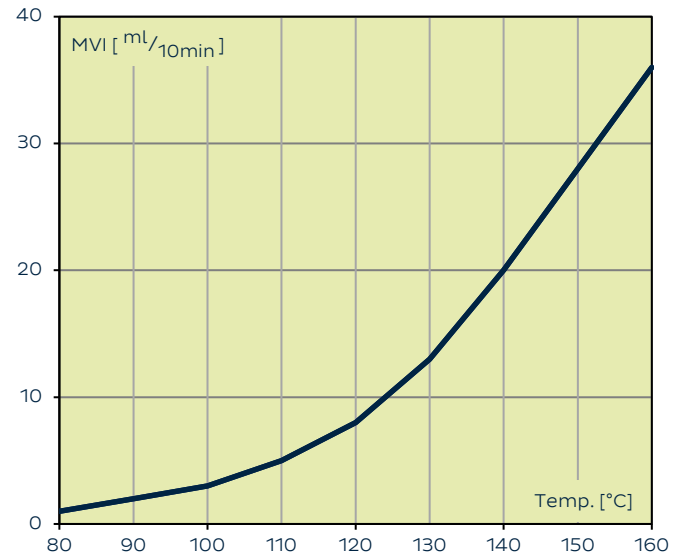
## SAFETY INSTRUCTIONS

Observe the standard hygienic precautions for chemical goods when working with **Butyl 1188**.

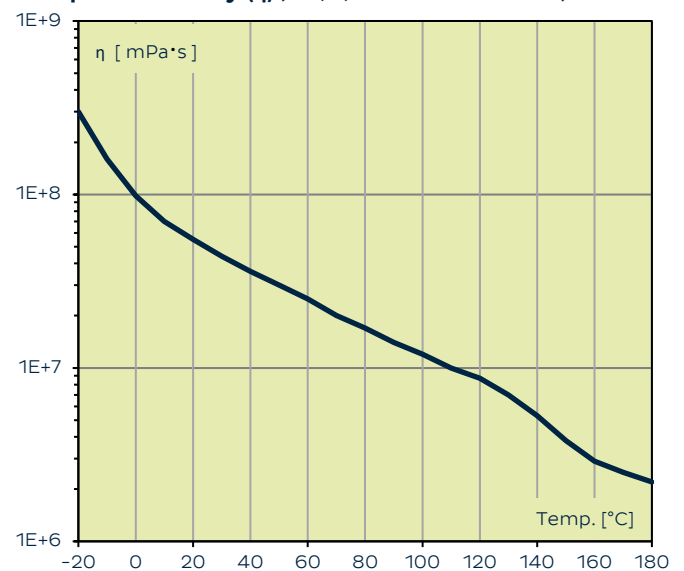
- Do not eat, drink or smoke
- Avoid contact with eyes and skin
- Wash hands before breaks and after end of work

FOR FURTHER INFORMATION PLEASE REFER TO OUR SAFETY DATA SHEET

## Melt volume index (5kg weight)



## Complex viscosity (η) (1Hz; 0,1% shear deformation)



## SMART HELP

Please contact your local representative

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The information given and recommendations made herein are based on Bostik's research only and are not guaranteed to be accurate. The performance of the product, its shelf life, and application characteristics will depend on many variables, including the kind of materials to which the product will be applied, the environment in which the product is stored or applied, and the equipment used for application. Any change in any of these variables can affect the product's performance. It is the buyer's obligation, prior to using the product, to test the suitability of the product for an intended use under the conditions that will exist at the time of the intended use. Bostik does not warrant the product's suitability for any particular application. The product is sold pursuant to Bostik's Terms and Conditions of Sale that accompanies the product at the time of sale. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute permission, inducement, or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

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