



BOSTIK

BUTYL 1184 BLACK

BUTYL 1184 BLACK IS A THERMOPLASTIC HOT MELT BUTYL

SMART ADVANTAGES

- Very good overall performance
- Excellent water vapour and gas tightness
- Suitable for thin profiles

PRODUCT DESCRIPTION

Thermoplastic hot melt sealant with very high surface tack. Suitable for sealing Thermoplastic sealant in profile form suitable for sealing joints or fixation that do not bear mechanical forces.

- Permanent plastic and permanent tacky.
- Good adhesion on almost all substrates.
- Good aging and weather resistance.
- Good water resistance.
- High water vapour tightness.
- Solvent free (no shrinkage) that do not bear mechanical forces.

APPLICATIONS

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

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.

PROCESSING

Butyl 1184 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: 5-35°C. Handling temperatures above 40°C may lead to difficulties in removing the release liner Suitable for thin profiles (min. 0,6mm thickness)

STABILITY

From -30°C to 90°C temperature and form stable. Butyl 1184 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.

CLEANING

Remove main portions mechanically („dab off“). Residuals can be cleaned with Bostik Solvent 280

STORAGE

Store under dry conditions, protect against mechanical deformation. Product is not affected by frost. Shelf life at least 24 months.

PACKAGING DESCRIPTION

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

Color		Black
Chemical Base		Synthetic rubber (Base IIR)
Density (Pycnometer; 23°C; orienting to DIN EN ISO 2811-1)	g/ml	1,35 – 1,45
Viscosity y (Oscillation) plate/plate 100°C; 1mm gap 1Hz; 25% shear deformation (similar to DIN 53019 EN 3219)	[mPa·s]	approx. $2,0 \cdot 10^6$
Penetration (150g cone; 20°C; 5 sec; orienting to DIN 51580)	1/10 mm	35 – 55
Melt Index (140°C; 2,16kg; 2mm nozzle; orienting to DIN EN ISO 1133-1)	ml/10 min	35 – 55
Peel Strength (180°-Peel; 200mm/min; 23°C; orienting to DIN EN ISO 8510-2)	N/mm (cohesive)	> 1,0
Surface Track (internal definition for profile range)/ (5 - excellent 4 - high 3 - good 2 - low 1 - minimal)		4 -high
Water Vapour Tightness (diffusion resistance); orienting to DIN 53122)	μ	approx. 250000
Water Vapour Tightness (sd -Wert; 1mm layer thickness; orienting to DIN 53122)	m	approx. 250

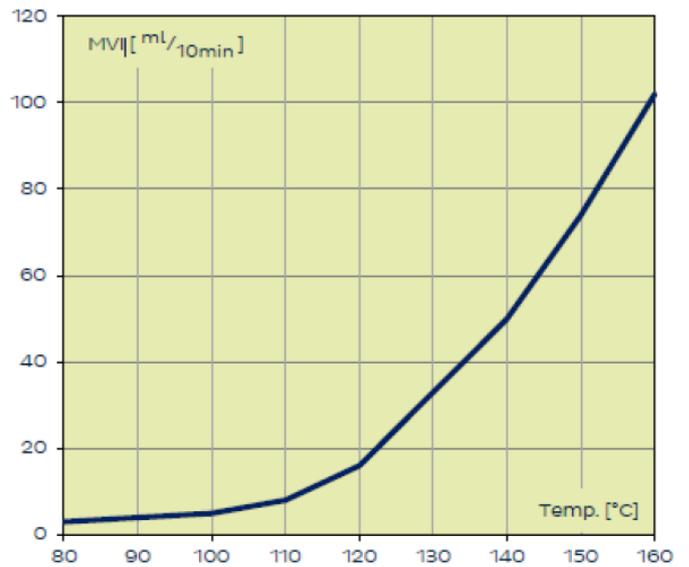
SAFETY INSTRUCTIONS

Observe the standard hygienic precautions for chemical goods when working with Butyl 1184 BLACK.

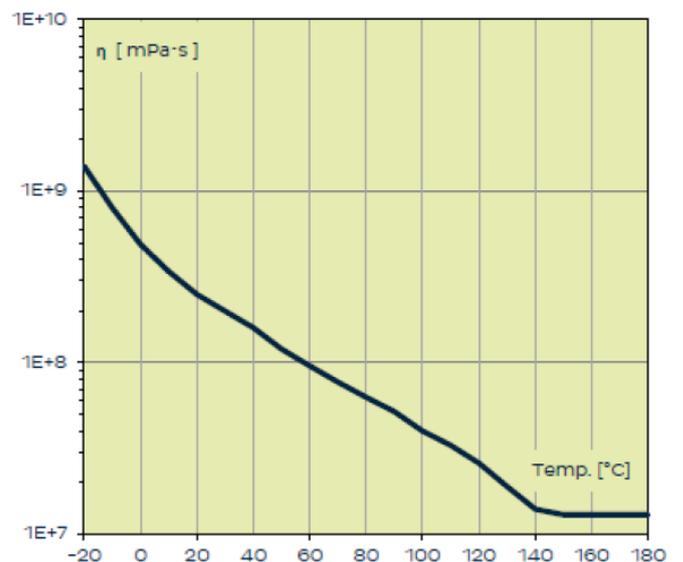
- Do not eat, drink or smoke
- Avoid contact with eyes and skin
- Wash hands before breaks and after end of work

FOR FURTHER INFORMATION PLEASE REFER TO OUR MATERIAL SAFETY DATA SHEET

Melt volume index (5kg weight)



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



DISCLAIMER

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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