



BUTYL 1147 WHITE

BUTYL SEALANT (DRUM APPLICATION)

SMART ADVANTAGES

- Excellent tack
- Broad application range
- Free of any abrasive filler

PRODUCT DESCRIPTION

Thermoplastic hot melt sealant suitable for sealing joints or fixation that do not bear mechanical forces.

- Permanent plastic and permanent tacky.
- Very good adhesion on almost all substrates.
- Aging and weather resistant.
- Very good water and vapour resistance.
- Solvent free (no shrinkage).

APPLICATIONS

- Suitable for interior and exterior applications
- Sealing of lap joints
- Bonding and fixation of light-weight materials
- Temporary fixation
- Corrosion protection in metal/dissimilar joints
- Primary sealing of rubber gasket

ADHESION

Very good 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.

PROCESSING

Butyl 1147 is applied by using common drum unloaders (temperature and pressure). The exact processing conditions have to be adjusted for each equipment individually and depend on the substrates and line speed too (Your equipment manufacturer will assist you). For Butyl 1147 an application temperature range from 120°C to 150°C is recommended. A longer temperature load above 160°C has to be avoided (Risk of carbonization and decomposition).

STABILITY

From -30°C to 80°C temperature and form stable. Butyl 1147 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 1147 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 DESCRIPTION

In 200 ltr. or 20 ltr. metal drums for application with drum unloaders.

TECHNICAL DATA

Color		white
Chemical Base		Synthetic rubber (IIR; PIB)
Density Pycnometer; 23°C (similar to DIN EN ISO 2811-1)	g/ml	1.20 - 1.30
Viscosity (Oscillation) plate/plate 140°C; 1mm gap 1Hz; 25% shear deformation (similar to DIN 53019 EN 3219)	[mPa·s]	Approx. 400×10^3
Penetration 150g cone; 20°C; 5 sec (similar to DIN 51580)	1/10 mm	70-90
Melt Index 140°C; 2,16 kg; 2 mm nozzle (similar to DIN EN ISO 1133-1)	ml/10 min	55-75
Peel Strength 180°-Peel; 200 mm/min; 23°C (similar to DIN EN ISO 8510-2)	N/mm (cohesive)	>0.50
Surface Track (internal definition for profile range)/ (5 - excellent 4 - high 3 - good 2 - low 1 - minimal		5 - excellent

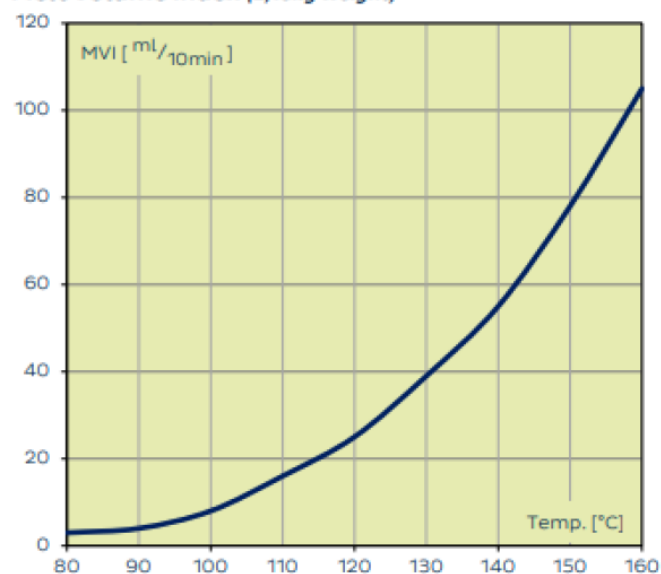
SAFETY INSTRUCTIONS

Observe the standard hygienic precautions for chemical goods when working with Butyl 1147.

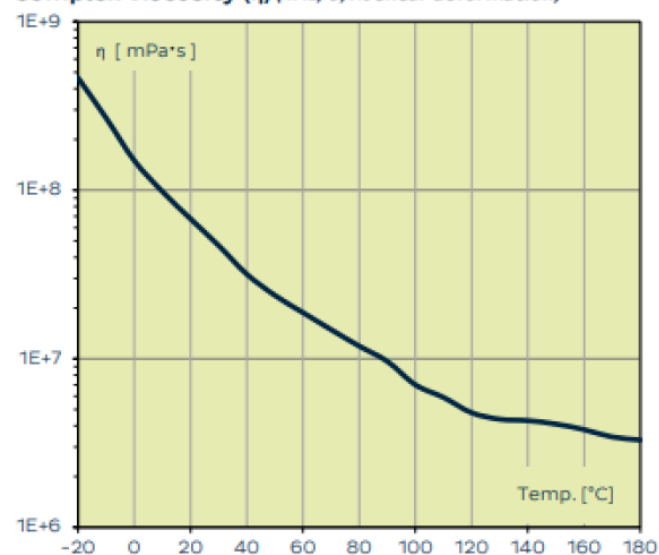
- Do not eat, drink or smoke
- Avoid contact with eyes and skin
- Wash hands before breaks and after end of work
- Contact with melt causes thermal burns

FOR FURTHER INFORMATION PLEASE REFER TO OUR SAFETY DATA SHEET

Melt volume index (2,16kg weight)



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



DISCLAIMER

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