TEGOPAC®

Technical information

TEGOPAC® Bond 251

The hybrid polymer for fast assembly

Technical parameters*

Appearance	colorless, clear to slightly turbid liquid
Viscosity (23°C)	ca. 30,000 mPas
Density (25°C)	0.99 –1.01 g/cm³
Plasticizer	none
Solvent	none
Backbone	Hybrid with hydrophilic segments
Classification	Lateral crosslinking groups
	Ethanol releasing
	Silane modified polymer

*no specification data

Application

TEGOPAC® Bond 251 is a hybrid polymer with a modified backbone that contains hydrophilic segments. Formulations with TEGOPAC® Bond 251 are suitable to replace flexible PUR adhesives and sealants.
Formulating with various plasticizers, fillers, and other additives is possible to address applications like assembly adhesives, roof sealing applications or pressure sensitive adhesives. It is possible to blend TEGOPAC® Bond 251 with epoxy polymers.

Benefits

The selective adjustment in the polymer backbone allows TEGOPAC® Bond 251 to develop excellent bonding properties to many different substrates, e.g. metals, ceramics, wood, concrete, mortar.
With TEGOPAC® Bond 251 it is possible to formulate adhesive and sealant formulations with excellent elastic recovery properties. Excellent elastic recovery is needed in applications where movements or vibration affects a joint, e.g. to ensure longer life cycles of joints.
It is possible to formulate methanol-free formulations with a convenient reactivity based on TEGOPAC® Bond 251. TEGOPAC® Bond 251 releases Ethanol during the curing process (in presence of water and a catalyst).

Processing

Adhesives and sealant formulations containing TEGOPAC® Bond 251 can be easily operated at temperatures between 5 °C and 35 °C. To ensure maximum shelf life of your formulations it is recommended to use raw materials with low residual water content. Applying temperature and vacuum to remove residual water from the formulation during production is recommended. A standard chemical drying agent (e.g. Dynasylan® VTMO or VTEO) can be added to the formulation.

Packaging

IBC 950 kg
Bulk delivery possible
Sample size: 2kg aluminum bottles

Shelf life

6 months in closed original containers

Storage

Containers should be stored at ambient temperature (5 – 25°C) at a dry place.

Hazardous goods classification

Information concerning

- classification and labeling according to regulations for transport and for dangerous substances
- protective measures for storage and handling
- measures in case of accidents and fire
- toxicity and ecological effects

is given in our material safety data sheets.

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