

Butofan[®] 4000

Saturant for paper tape construction

Chemical Nature

A carboxylated styrene/butadiene dispersion

Properties

Typical Properties

Solids content	%	~ 51
pH value		~ 6.5
Viscosity at 23 °C (Brookfield RV, Spindle #2, at 20 rpm)	cps	~ 50 – 500

Further properties of the dispersion

Density	g/cm ³	approx. 1.01
Freeze/thaw resistance		not resistant to freezing
Dispersion type		anionic

Properties of the film

Glass transition temperature T _g (DSC)	°C	ca. - 24
Appearance		slightly hazy
Flexible		yes
Surface		tacky

* These typical values should not be interpreted as specifications.

Application

Butofan 4000 has an excellent balance of tensile strength and elongation.

Butofan 4000 offers improved heat age/thermal stability properties

Butofan 4000 has good film forming and barrier properties, as well as excellent chemical and mechanical stability.

Butofan 4000 is Ammonia free

Processing

We recommend adding a preservative to adhesives and coating materials that contains Butofan 4000 to protect them from microbial attack, particularly if their pH lies in the neutral range. The suitability of such additives must be verified and monitored in trials.

Safety

General

The usual safety precautions when handling chemicals must be observed. These include the measures described in Federal, State and Local health and safety regulations, thorough ventilation of the workplace, good skin care and wearing of protective goggles.

Safety Data Sheet

All safety information is provided in the Safety Data Sheet for Butofan 4000.

Storage

Please refer to the "Handling and Storage of Polymer Dispersions" brochure.

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