

# Butofan<sup>®</sup> LS 103

## Adhesive Raw Material

<b>Application area</b>	<p>Butofan LS 103 is mixed with resins and used to manufacture pressure sensitive adhesives for self-adhesive articles.</p> <p>They are characterised by good adhesive properties, also at low temperatures, by low water-sensitivity and by very good adhesion even without adhesion promoters on hard and soft PVC films, polyester films, and electrically pretreated polyolefin films.</p>
<b>Chemical nature</b>	Aqueous dispersion of a butadiene- styrene copolymer with carboxyl groups

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## Properties

**Physical form** Liquid, dispersion

<b>Technical data</b> (no supply specification)	Solid content	DIN EN ISO 3251	~ 51 %
	pH value	DIN ISO 976	7 – 8
	Viscosity	DIN EN ISO 3219	≥ 100 mPa·s
	Glass transition temperature of film		~ – 48 °C
	Water absorption of film after 24 h		~ 4 %
	Tensile strength of film		~ 0.7 n/mm <sup>2</sup>
	Elongation at break		~ 1000 %

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## Application

### Processing

Adhesives based on Butofan LS 103 can be applied with the usual coating systems.

In the event of poor wetting properties, it is often helpful to add about 0.5 % of a wetting agent such as Lumiten® I-SC.

Commercially available antifoams such as Foamaster WO 2323 are suitable for suppressing foam. 0.05 – 0.2 %, expressed in terms of the adhesive mixture, is usually sufficient.

We recommend adding a preservative to adhesives that contain Butofan LS 103 to protect them from microbial attack. The suitability of such additives must be verified and monitored in trials.

Manufacturers must carry out their own thorough trials when developing adhesives based on Butofan LS 103, since the manufacture and use of such products are affected by a large number of factors (e. g. compatibility with other adhesive components) that we cannot cover exhaustively in our trials.

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### Safety

When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

### Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product.

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