



# Impranil<sup>®</sup> LP DSB 1069

<b>Type</b>	anionic, aliphatic polyether-polyurethane
<b>Form supplied</b>	White dispersion in water with a solids content of approx. 50 %
<b>Uses</b>	Impranil <sup>®</sup> LP DSB 1069 is suitable for the formulation of textile coatings in various areas of application. <ul style="list-style-type: none"><li>• Outerwear</li><li>• Bags/luggage</li><li>• Fashion shoe uppers</li></ul>

## Characteristic data

Property	Value	Unit of measurement	Method
Viscosity at 23 °C	≤ 2,500	mPa·s	DIN EN ISO 3219/A.3
Non-volatile content (0.9-1.1g / 1h / 125 °C, convection oven)	50 ± 1	%	DIN EN ISO 3251
pH value	6.5 ± 1.5		DIN ISO 976

## Other data\*

Property	Value	Unit of measurement	Method
Density at 23°C	1.1	g/cm <sup>3</sup>	DIN 53217/3

\*These values provide general information.

## Special properties

- High resilience
- Suitable for mechanical foaming
- High lightfastness
- High softness

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## Film properties\*)

The data given below are average values measured in approx. 0.1 mm transparent films of Impranil<sup>®</sup> LP DSB 1069, thickened with Borchigel<sup>®</sup> ALA.

Properties	Value	Unit of measurement	Test method
<b>Microhardness</b>	approx. 60		Shore A
<b>100 % modulus</b>	2	MPa	DIN 53504
<b>Tensile strength</b> - original	20	MPa	DIN 53504
<b>Elongation at break</b> - original	1,500	%	DIN 53504
<b>Volume swelling</b> (2 h at room temperature) - ethyl acetate	300	%	
<b>Volume swelling</b> (16 h at room temperature) - water	6	%	

The volume swelling decreases again as the solvent evaporates.

\*) These values provide general information and are not part of the product specification.

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## Storage

- Storage in original sealed Bayer MaterialScience container.
- Recommended storage temperature: 5 - 30 °C.
- Protect from frost, heat and foreign material.

General information: The product cannot be used if it has been frozen. The containers must be well closed to prevent the evaporation of water which may result in the formation of a non-redispersible film. Brief heating to max. 50 °C has no adverse effect on product properties.

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## Storage time

Bayer MaterialScience represents that, for a period of six months following the day of shipment as stated in the respective transport documents, the product will meet the specifications or values set forth in section "specifications or characteristic data" above, what ever is applicable, provided that the product is stored in full compliance with the storage conditions set forth in and referenced under section "storage" above and is otherwise handled appropriately.

The lapse of the six months period does not necessarily mean that the product no longer meets specifications or the set values. However, prior to using said product, Bayer MaterialScience recommends to test such a product if it still meets the specifications or the set values. Bayer MaterialScience does not make any representation regarding the product after the lapse of the six months period and Bayer MaterialScience shall not be responsible or liable in any way for the product failing to meet specifications or the set values after the lapse of the six months period.



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## Labeling and REACH applications

This product data sheet is only valid in conjunction with the latest edition of the corresponding Safety Data Sheet. Any updating of safety-relevant information – in accordance with statutory requirements – will only be reflected in the Safety Data Sheet, copies of which will be revised and distributed. Information relating to the current classification and labeling, applications and processing methods and further data relevant to safety can be found in the currently **valid Safety Data Sheet**.

## Important

**This is a Laboratory Product of which we do not yet have extensive experience. No guarantee can therefore be given regarding the behaviour of the product during processing or use.**

This is a laboratory product. Further information, including amended or supplementary data on hazards associated with its use, may be compiled in the future. For this reason no assurances are given as to type conformity, processability, long-term performance characteristics or other production or application parameters. Therefore, the purchaser/user uses the product entirely at his own risk without having been given any warranty or guarantee and agrees that the supplier shall not be liable for any damage, of whatever nature, arising out of such use. Commercialisation and continued supply of this material are not assured. Its supply may be discontinued at any time.

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