

TEMPORARY PRODUCT DATA SHEET

SikaBlock[®] LAB 850

TOOLING BOARD

APPLICATIONS

- Foundry patterns
- Core boxes for cold box process
- Diverse moulds and tools

MAIN PROPERTIES

- High impact resistance
- Easy machining
- Very good abrasion resistance
- Very good surface aspect after machining

PHYSICAL PROPERTIES

Basis			Polyurethane
Colour			dark blue
Density, 23 °C	ISO 2781	g/cm ³	1.18

MECHANICAL PROPERTIES

approx. values (≈)

Shore hardness - at 23 °C	ISO 868	Shore D	D 79
Compressive strength at yield	ISO 604	Mpa	47
Flexural modulus	ISO 178	MPa	1,450
Flexural strength	ISO 178	MPa	57
Impact resistance (unnotched specimens)	ISO 179 eU	kJ/m ²	70 – 80
Heat distortion temperature	ISO 75 B	°C	70
Glass transition temperature	ISO 11359	°C	82
Coefficient of thermal expansion (CTE) (10 °C to 60 °C)	ISO 11359	10 ⁻⁶ K ⁻¹	110

PACKAGING UNITS

■ Board:	SikaBlock® LAB 850	1000 mm x 500 mm x 50 mm, 36 pieces/pallet
		1000 mm x 500 mm x 75 mm, 24 pieces/pallet
		1000 mm x 500 mm x 100 mm, 18 pieces/pallet

STORAGE CONDITIONS

Storage temperature	■ SikaBlock® LAB 850	18 – 25 °C
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FURTHER INFORMATION

The information herein is offered for general guidance only. Advice on specific applications is available on request from the Technical Department of Sika Advanced Resins. Copies of the following publications are available on request: Safety Data Sheets

BASIS OF PRODUCT DATA

All technical data stated in this document are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

HEALTH AND SAFETY INFORMATION

For information and advice regarding transportation, handling, storage and disposal of chemical products, users shall refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTICE

The information, and, in particular, the recommendations relating to the application and enduse of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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