

Hydro B1 is a coarse pore, closed-cell polyethylene foam, which can be used in many fields, e.g. as a preformed part, due to its flame retardant characteristics. Hydro B1 is elastic, water-repellent and corresponds to the construction material classification B1 according to the German standard DIN 4102. Preformed parts from Hydro B1 e.g. protect sensitive parts against impact and vibrations. Due to its special characteristics, Hydro can be supplied in a self-adhesive version.

Technical Data:

Density		30 ± 3 kg / m ³	ac. to ISO 845
Compression strength	at 10 % compression	18.49 kPa	ac. to ISO 844/785
	at 25 % compression	36.25 kPa	
	at 50 % compression	91.91 kPa	
Compression set	30 minutes recovery	12.33 %	ac. to ISO 1856/80-B
	22 h, 25 % compression 24 hours recovery	7.7 %	
Flammability	at 20 mm thickness	0 mm / min.	ac. to ISO 3795
		0 mm / min.	ac. to FMVSS 302
Fire behaviour		construction material class B 1	ac. to DIN 4102
		flame retardant	
Temperature resistance	80 °C max.	internal	
Thermal conductivity	at 10 °C	0.038 W/(m·K)	ac. to ISO 2581
	at 40 °C	0.040 W/(m·K)	

Attention! Important Note:

Above information are based on best present knowledge of current technology, but do not guarantee faultless processing of our products. The information is based on practical results of our tests, but is not binding and does not constitute warranties of characteristics in terms of Federal Supreme Court jurisdiction. Our information does not constitute a legally binding assurance of certain properties or suitability for a specific purpose. Supplementary information by our specialists are merely recommendations, for which no liability is accepted.

Due to the many possible applications of our products, we recommend subjecting the project to a thorough suitability test on original materials before release for further application.

Since our information are non-binding we do not warranty their correctness. For this reason we accept no liability for possible improper processing based on information submitted by our employees.

This technical data sheet replaces all previous versions and is valid until a new version is issued, or until Dec. 31, 2024. Please request the latest version after Jan. 01, 2025.

Dr. Hermann, Anwendungstechnik / Application Technology, Gingen / Fils

BOSIG GmbH

D – 73333 Gingen, Brunnenstraße 75 - 77

Telephone +49(0)7162-40 99-0 Fax +49(0)7162-40 99-200

www.bosig.de
info@bosig.de