



Baymer[®] SHPU-60-33

General Properties and Applications

Baymer[®] SHPU-60-33 is a polyol formulation used to produce spray foam insulation for preinsulated pipes. It contains all the raw material and auxiliaries necessary for the production of rigid polyurethane foam including blowing agent 141b. If required the formulation can also be delivered without 141b.

Sampling

Moisture access should be prevented, formulation should be agitated before sampling.

Specification

Property	Value	Unit of measurement	Method
Hydroxyl number (theoretical)	approx. 345 ± 25	mg KOH/g	
Water content	approx. 0,6 ± 0,1	% by wt.	

Other Data*

Property	Value	Unit of measurement	Method
Density at 25 °C	approx. 1,13	g/ml	
Viscosity at 25 °C	approx. 800	mPa·s	

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

Packaging

200l steel drums - IBC, tank truck and tank containers on request

Storage

Shelf life from time of delivery: 6 months if stored in sealed moisture tight containers.

Recommended storage temperature: 20-30°C

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.

Directions for Processing

Guide formulation	parts by weight	parts by volume
Baymer [®] SHPU-60-33	100	100
Desmodur [®] 44V20L	109	100





Baymer[®] SHPU-60-33

Baytherm[®] Pipe Spray systems are designed for processing on high and low pressure machines that are able to work at variable mixing ratios, the machine parameters have to be selected in such way to ensure proper mixing. The substrate temperature should be 35-40°C for proper adhesion.

Foaming data by the hand mixing method at raw material temperature of 21°C

Cream time	7 ± 2	Seconds
Tack free time	18 ± 5	Seconds
Free Rise Density	44 ± 2	kg/m ³
Applied density	approx. 56 ± 5	kg/m ³

This information and our technical advice - whether verbal, in writing or by way of trials - are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to check its validity and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General Conditions of Sale and Delivery.

This product is not designated as „Medical Grade“* and therefore shall not be considered a candidate for the manufacture of a medical device or of intermediate products for medical devices, which are intended under normal use to be brought into direct contact with the patient's body (e.g., skin, body fluids or tissues, including indirect contact to blood)*. If the intended use of the product is for the manufacture of a medical device or of intermediate products for medical devices, Baysystems Pearl FZCO must be contacted in advance to provide its agreement to sell such product for such purpose. Nonetheless, any determination as to whether a product is appropriate for use in a medical device or intermediate products for medical devices must be made solely by the purchaser of the product without relying upon any representations by Baysystems Pearl FZCO. * Please see the "Guidance on Use of Bayer MaterialScience Products in a Medical Application" document. In case of questions, please contact: productsafety@bayerbms.com

Editor: Bayer Pearl Polyurethane Systems LLC
P.O. Box 262021
Dubai, UAE
Tel: + 971 4 333 7837
Fax : + 971 4 320 2627
www.bayermaterialscience.com

Contact :
Schuetze, Marc
Tel. +971 4 333 7837

