BAYMER® SPRAY 145

General Properties and Applications	Baymer Spray 145 is the polyol component that forms, together with the isocyanate Desmodur 44 V20 L, a polyurethane system that is used to form a rigid foam of a free rise density of 32 kg/m³ to be applied as a spray foam. The main use of this foam is the thermal insulation of buildings.
Sampling	Avoid access of humidity

Specification

Property	Value	Unit of measurement	Method
Hydroxyl number	210 ± 25	mg KOH/g	LPUR-048
Water content	2,8 ± 0,14	%	LPUR-001

Other Data*

Property	Value	Unit of measurement	Method
Density 23ºC	approx. 1,20	g/cm³	LPUR-050
Viscosity 25ºC	approx. 300	mPa·s	LPUR-002

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

Packaging	Drums (240 kg)
Storage	Recommended storage temperature: 15 - 25ºC. Storage stability: 3 months, providing that the product is stored moisture protected, in closed drums.
Labeling	This product data sheet is only valid in combination with the corresponding current safety data sheet! Any updating of safety relevant information – in accordance with EU directives – will only be reflected in the Safety Data Sheet, copies of which will be revised and distributed. For further technical information relating to safety, the Safety Data Sheet should be consulted.

Directions for Processing

Relación de mezcla recomendada	**(partes en volumen):**
BAYMER Spray 145	100
Desmodur 44V20 L	100

Manual foam test	**(internal laboratory methods):**
Start time:	2 ± 2 s
Gel time:	5 ± 2 s
Free rise density:	32 ± 2 kg/m³

BAYMER® SPRAY 145

Processing

Baymer Spray 145 should be mixed with the isocyanate component, Desmodur 44 V 20 L, with an appropriate machine in 1 to 1 volumetric ratio. The density of the obtained foam depends on the actual conditions during the application process and also on the spraying technique. The ambient temperature and moisture as well as the temperature and nature of the sprayed surface have a significant influence.

Foam properties*

Compressive strength (UNE-EN 826):	≥ 140 kPa
Thermal conductivity (aged, UNE – EN 12667):	≤0,028 W / mK

These values are given only as a guide and must be verified in each individual case on finished parts manufactured under the processor's production conditions.

Fire classification (UNE-EN 13501-1):	Euroclass E

The methods described in this publication for testing the fire performance of polyurethane and the results quoted do not permit direct conclusions to be drawn regarding every possible fire risk there may be under service conditions
Furthermore, this does not release the producer of the finished parts from his obligation to carry out suitable tests on his end product with respect to fire performance and/or fire risk in order to guarantee conformity with the required fire safety standard.

Closed cell content (DIN ISO 4590):	> 95 %
Water absortion (EN 12087):	< 2 %

These values are given only as a guide and must be verified in each individual case on finished parts manufactured under the processor's production conditions.

This data have been measured with foam samples produced in the laboratories of BaySystems under controled conditions. They do not form part of the specification of the product.

* Foam obtained mixing Baymer Spray 145 with the isocyanate Desmodur 44V20L using an appropriate machine

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.

Editor: Bayer International SA
Route de Beaumont 10,
CH-1701 Fribourg
www.bayermaterialscience.com

Contact :
Meseguer, Benjamin
Tel. +34 977 358354