



TECHNICAL SHEET

PETOL[®] 28-3B

POLYETHER POLYOL

Last revision 2018

Chemical Name: Polyether – Polyol
Abbreviation: Petol 28-3B
CAS: 9082-00-2

General Description:

This technical specification refers to polyether polyol PETOL 28-3B, obtained by the addition of propylene oxide and ethylene oxide, in basic catalysis, to glycerin. PETOL 28-3B is a tri-functional highly reactive polyether polyol, with a 6000 nominal molecular weight designed for obtaining high resilience flexible polyurethane foams. Due to the high content of EO, the product may become opalescent at temperatures below 30°C.

Technical Quality Conditions:

Characteristics	MU	Values	Test methods
Appearance	-	viscous liquid	visual
Hydroxyl value	mg KOH/g	26-30	ASTM D 4274
Acid value (ABT), max.	mg KOH/g	0.05	ILL 003/3-23
Viscosity at 25° C	cP	1050 - 1300	ASTM D 4878
Water (Karl-Fischer), max.	%	0.1	ASTM E 203
Hazen Color, max	Hazen units	50	SR ISO 2211
Content in Na and K, max.	ppm	10	ILL 003/3-12

Specific Properties:

Density at 25°C, g/cm ³	1.015
Functionality	3
Ignition temperature, min.	200°C

The values of those characteristics are approximated, and are only for general information and are not part of the technical quality conditions.

Main Applications:

- production of flexible polyurethane foams in cold molding process;
- production of high resilience slabstock flexible polyurethane foams when blended with reactive polymer polyols;
- in polyol blends for obtaining semi-flexible foams or micro cellular elastomers.



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Packing and storage:

The product is packed in stainless steel or coated rail or car tanks, property of supplier or client. Due to its hygroscopic nature, the product is stored in tightly closed containers under nitrogen blanket, in cold, dry, vented areas, far from heat, moisture and inconsistent materials, at temperatures between +20°C and +50 °C. At temperatures below 20 ° C, handling difficulties arise due to increased viscosity of the polyol.

Safety Considerations:

Handling and using, this product must be in accordance with the practice of industrial products and preventing environmental contamination. This information is available in SDS and on the product label.

Attention:

Please contact CHIMCOMPLEX BORZESTI-Ramnicu Valcea Branch to see if the document has been revised and for any other additional information related to the product.

Important:

For a better suitability of the product for your particular purpose, tests are recommended prior product use. You are advised to make your own determination as to safety, appropriate manner of handling, storage, use and disposal. All the information contained in this product technical sheet is offered for your consideration, investigation and verification. The data is presented in good faith and is believed to be reliable. You should not consider the descriptions, information, data or design as a part of our terms and conditions of sale. We expressly disclaim responsibility or liability for any loss, damage or expense arising out of reliance on the information provided herein.