

## PETOL<sup>®</sup> 28-3B

POLYETHER POLYOL

Last revision 2008

**Chemical Name:** Polyether – Polyol  
Abbreviation: Petol 28-3B

### General Description:

PETOL 28-3B is a tri-functional highly reactive polyether polyol, 6000 nominal molecular weight designed for obtaining high resilience flexible polyurethane foams.

PETOL 28-3B results from addition of propylene oxide and ethylene oxide to glycerin, under base catalysis.

### Technical Quality Conditions:

Characteristics	MU	Values	Test methods
Appearance	-	clear, viscous liquid	visual
Hydroxyl value	mg KOH/g	26-30	ASTM D 4274
Acid value (ABT), max.	mg KOH/g	0.05	ILL 003/3-01-27
Viscosity at 25° C	cP	1050 - 1250	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 003/3-01-13

### Specific Properties:

Density at 25°C, g/cm <sup>3</sup>	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 polyolic blends for obtaining semi-flexible foams or micro cellular elastomers.



## Shipping Information:

- stainless steel or coated railway or car tanks.

## Storage:

Due to hygroscopic nature of the product, it is recommended that you should store PETOL 28-3 B in tightly closed containers under nitrogen blanket, in cold, dry, vented areas, far from heat, moisture and inconsistent materials.

We suggest storing PETOL 28-3B at temperatures within + 20 °C and + 50 °C. At temperature below 20 °C, viscosity increases and handling is difficult.

## Safety Considerations:

Please refer to the product Material Safety Data Sheet (MSDS) offering customers help to better satisfy their particular handling, safety and disposal needs and those that may be required by locally applicable health and safety regulations.

## Warning:

Petol polyether polyols can be used to prepare a variety of polyurethane products. Polyurethanes are organic materials and must be considered combustible.

## Attention:

Information contained in this document is provided to the best of our knowledge and experience.

Please contact OLTCHIM to see if the document has been revised.

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## 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.