

Permax™ 232 Polyurethane Dispersion

Hydrophilic, Crosslinkable, Aliphatic Polyether

Permax™ 232 is used in high performance coating applications where a hydrophilic polymer is needed for moisture vapor transmission, hydrophilic surface treatment, or excellent ionic compatibility is required. Permax™ formulas can be engineered to give controlled moisture vapor transmission rates, excellent washfastness and softness. Permax 232 is TSCA, EINECS, and DSL compliant. Permax 232 can be crosslinked with isocyanates, polyfunctional aziridines, melamine formaldehyde and carbodiimide cross linkers. Please contact your Lubrizol sales representative for more information on ready-to-run Lubrizol Permax™ coating compounds.

FEATURES AND BENEFITS

- Crosslinkable
- High MVTR
- Hydrophilic
- Softness
- Wet washfastness

CHARACTERISTICS

Characteristic Name	Value
% Weight Solids	35
Appearance	OPAQUE - WHITE
Brookfield Viscosity (cps)	750
Charge	NONIONIC
Density (lb/gal @ 25 °C)	8.6
Freeze/Thaw Stability	PASS
Surface Tension (Dynes/cm)	55
VOC (g/L)	<01
pH Value	5.4

REGULATORY

- Low VOC⁴
- NMP-Free¹

¹Not intentionally added to the composition of this product

⁴Suitable for coating formulations where less than 140 g/l VOC (US EPA Method 24) or 75 g/l VOC (ISO 11890-1, Method 2) is

desired based on calculations.



APPLICATIONS

- Apparel Coatings
- Custom Textile Formulations
- Technical Textile Coatings

AVAILABLE REGIONS

- Asia Pacific
- EMEA
- Latin America
- North America

RECOMMENDED STORAGE AND RE-TEST DATE

Lubrizol recommends retesting quality after 365 days. See SDS for storage conditions and handling instructions.

REGULATORY STATUS

Please see the product's current material safety data sheet, SDS, for regulatory information. You can request an SDS at www.lubrizol.com/coatings.

Should you have questions on additional topics, please feel free to contact your Lubrizol representative or one of our regional Customer Assistance groups listed here:

America: AmerLZAMCustomerAssistance@Lubrizol.com | Europe: EMEAICustomerAssistance@Lubrizol.com |

Asia: APCustomerAssistance@Lubrizol.com | Brazil: BrazilQualityLZAM@Lubrizol.com

DISCLOSURE

The information contained herein is believed to be reliable, but no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications or the results to be obtained. The information is based on laboratory work with small-scale equipment and does not necessarily indicate end product performance. Because of the variations in methods, conditions and equipment used commercially in processing these materials, no warranties or guarantees are made as to the suitability of the products for the applications disclosed. Full-scale testing and end product performance are the responsibility of the user. Lubrizol Advanced Materials, Inc. shall not be liable for and the customer assumes all risk and liability of any use or handling of any material beyond Lubrizol Advanced Materials, Inc.'s direct control. The SELLER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Nothing contained herein is to be considered as permission, recommendation, nor as an inducement to practice any patented invention without permission of the patent owner. Product safety information required for safe use is not included. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE FROM YOUR LUBRIZOL REPRESENTATIVE, OR DISTRIBUTOR.

Trademarks owned by The Lubrizol Corporation or its affiliates. © The Lubrizol Corporation 2020, All Rights Reserved.

