

# Michem® Prime 4983-40R

---

**BRAND FAMILY OVERVIEW** Michem® Prime functionalized copolymer dispersions deliver the flexibility, water and chemical resistance, and barrier properties of polyethylene in a water-based form. Property enhancements include excellent clarity, adhesion, lower heat seal temperature, durability, and crosslinkability.

**USAGE** Provides outstanding adhesion to metallic and cellulosic substrates and enhances the water, grease, oil and solvent resistance of coatings and adhesives and is a high solids, more economical version of Michem® Prime 4983R. . The adhesion properties of Michem® Prime facilitate its use as a primer for extrusion coatings. Utilizing this "tie coat" functionality, dissimilar materials can be combined to produce a substrate with the unique properties of each material.

**DESCRIPTION** Copolymer dispersion

**PERFORMANCE ATTRIBUTES** This product is used in many applications including the following:

Market	Properties Imparted
Cable & Cordage	<i>adhesion promotion, chemical resistance, heat seal, water resistance</i>
Leather	<i>adhesion promotion, heat seal</i>
Technical Textiles	<i>binder</i>

**PHYSICAL PROPERTIES** The following properties are typical but should not be considered specifications:

Appearance:	White, viscous liquid
Emulsifier Charge:	Ammoniated dispersion
Freeze/Thaw Stability:	None: protect from freezing
Non-Volatile (%) :	39.0 - 41.0
Specific Gravity:	0.97 - 0.99
pH:	7.4 - 8.4
Recommended pH of your system:	> 7.0
Brookfield Viscosity (cps) :	1000 - 4000
Spindle Number:	3
RPM:	30
Shelf Life (months) :	The product has a shelf life of 12 months from date of manufacture when storage and handling instructions are followed.

**SITE OF MANUFACTURE (and PRODUCT CODE)** USA (MP498340R), Belgium (MP498340R.E), Singapore (MP498340R.S)

# Michem® Prime 4983-40R

---

**STORAGE** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing.

**HANDLING** Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required.

Revised 01 April 2019

The following information for this product, specific to each site of manufacture, is available upon request:

- Material Safety Data Sheets in various formats and languages (includes global chemical inventory listing)
- Food Contact Declaration of Compliance (if applicable)

---

**Americas**

Michelman Inc.  
Tel: +1 513 793 7766  
Fax: +1 513 793 2504

**Luxembourg**

Michelman International SARL  
Tel: +352 26 39 44 1  
Fax: +352 26 39 44 80

**Singapore**

Michelman Asia-Pacific Pte. Ltd.  
Tel: +65 6861 2822  
Fax: +65 6861 2262

**China**

Michelman New Material  
(Shanghai) Co., Ltd.  
Tel: +86 21 3810 3800  
Fax: +86 21 3810 3811

**India**

Michelman Private Limited  
Tel: +91 22 6221 3800  
Fax: +91 22 6221 3801/02

---

The facts stated and the recommendations contained herein are based on our own research and the research of others, and are believed to be accurate. However, no guarantee of their accuracy is made because we cannot cover every possible application for our products nor anticipate every variation encountered in manufacturing equipment and methods. The products discussed are sold without warranty, express or implied and Seller disclaims any warranty of merchantability or fitness for a particular purpose in connection with the purchase of its products. It is recommended that purchasers conduct their own tests to determine the suitability of such products for their particular purpose. Seller shall not be liable for any injury, loss or damage, direct or consequential arising out of the use of or the inability to use the product. Statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patent and our products are sold without warranty of non-infringement.

© 2024 MICHELMAN, INC. All rights reserved. ® Reg. U.S. Pat. TM Off.

All marks contained herein are registered or owned by Michelman, Inc.

Michelman is ISO 9001:2015 certified.