

# Michem® Flex P1309

---

**BRAND FAMILY OVERVIEW** Michem® Flex is a range of functional, sustainable water-based technologies optimized for flexible packaging.

**USAGE** A primer for film, metalized film, printed film and paper substrates promoting excellent adhesion to extrusion coated resins, resulting in high bond strength for dry and low moisture content products. Michem Flex P1309 creates very strong adhesion between treated film and PE and EVA extrudates.

**DESCRIPTION** Water-based primer for polyethylene extrusion and anchor coating

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

Appearance:	Clear liquid
Solids Type:	Polyethylenimine
Freeze/Thaw Stability:	Stable after 5 Cycles
Non-Volatile (%) :	4.5 - 5.5
Specific Gravity:	1.01 - 1.04
pH:	10.0 - 12.0
Brookfield Viscosity (cps) :	0 - 50
Spindle Number:	1
RPM:	60
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)** Singapore (MFP1309.S)

**APPLICATION DATA** Michem® Flex P1309 may applied via flexo, gravure or smooth roll coater. It can be diluted 1:1 with water or with a 50:50 pre-mixture of water and isopropyl alcohol prior to use. It has good compatibility with both Ethanol & Methanol but limited compatibility in IPA solvent. It is recommended that IPA must always be diluted with water before use. It is recommended to corona or flame-treat substrates prior to priming and dry thoroughly with hot, circulating air. This product is highly recommended for application in-line to a target coat weight on film substrates of 0.025 0.075 dry g/m<sup>2</sup>. This product was specifically designed for and is available only in Asia.

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

# Michem® Flex P1309

---

**HANDLING** Handle in accordance with good industrial hygiene and safety practice.

Revised 05 December 2018

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.

© 2025 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.