

Michem® Flex P1853R

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

USAGE A water-based primer designed for a variety of substrates used in multiple applications including extrusion lamination, extrusion coating, and applying other functional coatings such as PVDC, acrylics, etc. It is designed for high-abuse applications including liquids and chemicals by providing exceptionally high bond strength with excellent chemical and water resistance. Michem® Flex P1853R is approved for direct food contact and can be utilized as a heat seal coating adhering to a variety of materials such as film, paper, and metal.

DESCRIPTION Water-based primer and heat seal coating for extrusion coated resins and treated film substrates

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

Appearance:	White, translucent liquid
Solids Type:	Copolymer
Freeze/Thaw Stability:	TBD
Non-Volatile (%) :	28.0 - 30.0
EZ Cup Viscosity (sec) :	24 - 26
Cup Number:	2
Specific Gravity:	0.99 - 1.01
pH:	7.5 - 9.0
Brookfield Viscosity (cps) :	0 - 100
Spindle Number:	1
RPM:	60
Shelf Life (months) :	The product has a shelf life of 24 months from date of manufacture when storage and handling instructions are followed.

SITE OF MANUFACTURE (and PRODUCT CODE) USA (MFP1853R), Belgium (MFP1853R.E), Singapore (MFP1853R.S)

APPLICATION DATA Michem® Flex P1853R may be applied via flexo, gravure or smooth roll coater. Dry thoroughly with hot, circulating air. May be used for in-line or off-line processes. Recommended application weight for film substrates is between 0.1 - 1.0 dry g/m². EZ Cup Viscosity - #2 cup = 24.5-26.5 sec.

Michem® Flex P1853R

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 02 June 2021

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.