

# Michem® Flex P1853R

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**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)

**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/m<sup>2</sup>. EZ Cup Viscosity - #2 cup = 24.5-26.5 sec.

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

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

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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)

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